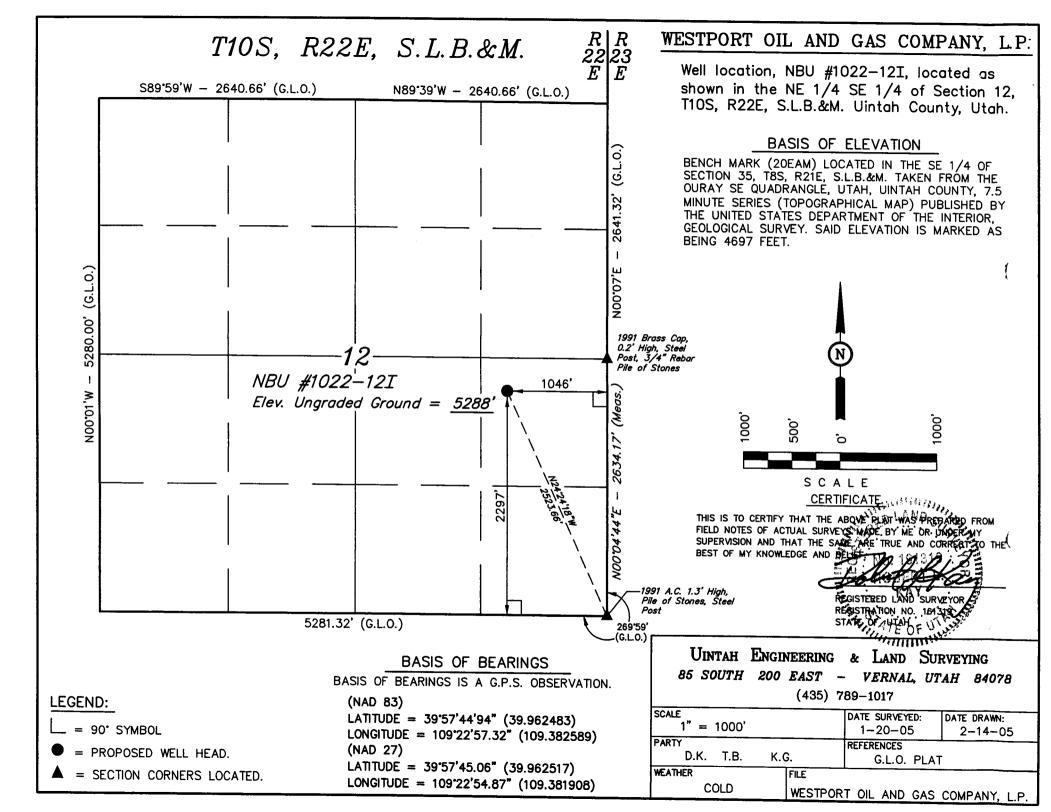
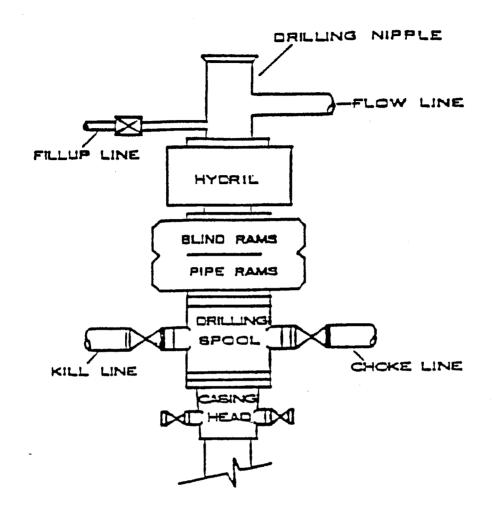
STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

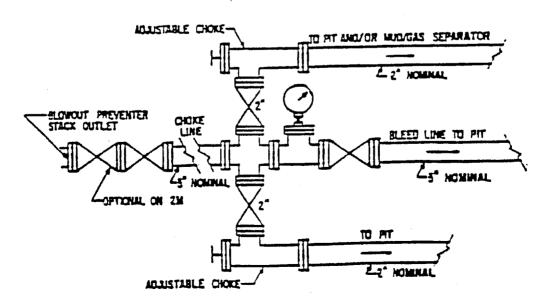
AMENDED REPORT	
(highlight changes)	

APPLICATION FOR PERMIT TO DRILL						5. MINERAL LEASE NO: STUO-01197-AS	6. SURFACE: T State				
1A. TYPE OF WORK: DRILL REENTER DEEPEN D							7. IF INDIAN, ALLOTTEE OF	R TRIBE NAME:			
B. TYPE OF WELL: OIL GAS OTHER SINGLE ZONE MULTIPLE ZONE						EZ	8. UNIT or CA AGREEMENT 891008900A	NAME: Watusa Bi	wus		
	T OIL & GAS	S COMPA	ANY, L.P.						9. WELL NAME and NUMBE NBU 1022-121	:R: (
3. ADDRESS OF 1368 S 120		CITY VEF	RNAL 57	ATE UT	្ធ 840	78	PHONE NUMBER: 781-7060		10. FIELD AND POOL, OR V		
4. LOCATION OF	WELL (FOOTAGES						142527		11. QTR/QTR, SECTION, TO MERIDIAN:	WNSHIP, RANGE,	
AT SURFACE:	2297' FSL1	046' FEL							NESE 12 10	S 22E	
AT PROPOSED	PRODUCINGZONE	≣:	442	76427		-109	1.381978				
			EAREST TOWN OR F						12. COUNTY:	13. STATE: UTAH	
			OURAY, UTA		OCT OF	ACDECINA EA	SE.	1 47 500	UINTAH	D TO THIS WELL:	
1046'	O NEAREST PROPE	RTY OR LEAS	E LINE (FEET)	16. NUM	IBEK OF	ACRES IN LEA	se: 1674.49	17. NU	MBER OF ACRES ASSIGNE	40	
	NEAREST WELL (MPLETED, OR	19. PRO	POSED I	DEPTH:		20. BO	ND DESCRIPTION:		
REFER TO	O TOPO C	·					8,600		ATE SURETY RL	B0005236	
	(SHOW WHETHER GRADED GL		:TC.):	22. APP	ROXIMAT	TE DATE WOR	KWILL START:	l	TIMATED DURATION: BE DETERMINEI	D	
24.			PROPO	SED CASIN	IG AN	ID CEMEN	TING PROGRAM	1			
SIZE OF HOLE	CASING SIZE, G	RADE, AND W	EIGHT PER FOOT	SETTING DE	1			ANTITY, Y	/IELD, AND SLURRY WEIGH		
12 1/4"	9 5/8"	32.3#	H-40, STC			PREM CN			5 SX 1.1		
7 7/8"	4 1/2"	11.6#	I-80, LTC	8.	600	PREM LIT	 ГЕ II	390	0 SX 3.3	8 11.0	
						50/50 PO	 Z G	1400	0 SX 1.3	1 14.3	
							,				
									KECE	WED	
25.				Α	TTAC	HMENTS	·-		MAR 1	5 2005	
VERIFY THE FOL	LOWING AREATTA	CHED IN ACC	ORDANCEWITH THE	UTAH OIL AND	GAS CO	NSERVATION (GENERAL RULES:		DIV. OF OIL, GA	C	
WELL PL	AT OD MAD DDEDA	DED BY LICEN	ISED SURVEYOR OR	ENGINEER		☑ co	MPLETE DRILLING PLAN		21. 0 1 OIL, Up	S S. MINING	
								DEON OF	O COMPANY OTHER THAN	THE I EASE OWNED	
EVIDENC	E OF DIVISION OF	WATER RIGHT	TS APPROVAL FOR L	ISE OF WATER			RM 5, IF OPERATOR IS PE	RSON OF	R COMPANY OTHER THAN	HE LEASE OWNER	
DEDDA DOMENIOL											
NAME (PLEASE PRINT) DEBRA DOMENICI TITLE ENVIRONMENTAL ASSISTANT											
SIGNATURE DATE 3/11/2005											
(This space for Sta	te use only)	<u> </u>									
	A (a		_					App	roved by the h Division of		
APPROVAL: OII, Gas and Mining											
	Date: 04-18-051 1										
11/2001) (See Instructions on Reverse Side)											

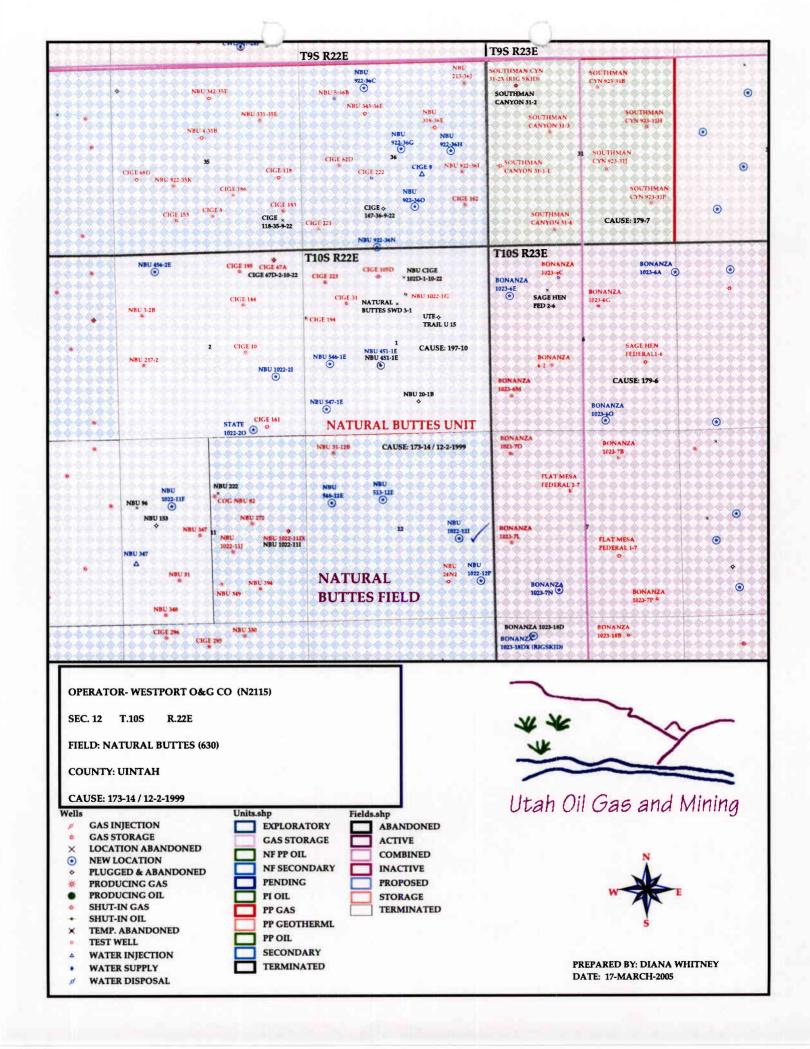


EOP STACK





003	APPLICATION FOR I	PERMIT TO DRILL			
APD RECEIVE	D: 03/15/2005	API NO. ASSIGN	ED: 43-047-364	02	
WELL NAME: OPERATOR: CONTACT:	NBU 1022-12I WESTPORT OIL & GAS CO (N2115) DEBRA DOMENICI	PHONE NUMBER: 4	35-781-7060		
PROPOSED LOG	CATION: 12 100S 220E	INSPECT LOCATN	J BY: / /	/	
SURFACE: BOTTOM:	2297 FSL 1046 FEL 2297 FSL 1046 FEL	Tech Review	Initials	Date	
UINTAH	2257 152 1010 122	Engineering	DRO	4/15/05	
NATURAL	BUTTES (630)	Geology			
LEASE TYPE:	3 - State R: STUO-01197-AST	Surface			
SURFACE OWNE		LATITUDE: 39.96253 LONGITUDE: -109.3820			
Plat Bond: (No. Potash Oil Sh Water (No. RDCC R (Date	Fed[] Ind[] Sta[] Fee[] LUBOO523b 1	Siting: 460 F R649-3-3. I Drilling Un: Board Cause Eff Date:	General rom Qtr/Qtr & 920' Exception it a No: 173- 12.2. 20 fr u bdry 9	14 1999 Uncomm. tr	
COMMENTS:	Needs	Prusit (03-2	9-05)		
STIPULATIONS	5: <u>1-</u> 2	DIL SHALE STATEMENT	DE BASIS		



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

March 18, 2005

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2005 Plan of Development Natural Buttes Unit

Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2005 within the Natural Buttes Unit, Uintah County, Utah.

API # WELL NAME LOCATION

(Proposed PZ Mesaverde)

43-047-36388 NBU 921-34L Sec 34 T09S R21E 2586 FSL 0379 FWL 43-047-36389 NBU 921-34K Sec 34 T09S R21E 2543 FSL 2274 FWL 43-047-36390 NBU 921-34H Sec 34 T09S R21E 2163 FNL 0839 FEL 43-047-36391 NBU 921-33F Sec 33 T09S R21E 1797 FNL 1844 FWL 43-047-36392 NBU 921-33G Sec 33 T09S R21E 1713 FNL 1754 FEL 43-047-36393 NBU 921-33I Sec 33 T09S R21E 2240 FSL 0878 FEL 43-047-36394 NBU 921-33J Sec 33 T09S R21E 2113 FSL 1951 FEL 43-047-36395 NBU 921-33K Sec 33 T09S R21E 2066 FSL 1926 FWL 43-047-36396 NBU 921-33P Sec 33 T09S R21E 0885 FSL 0719 FEL 43-047-36397 NBU 922-36C Sec 36 T09S R22E 0720 FNL 1768 FWL 43-047-36398 NBU 922-36G Sec 36 T09S R22E 2471 FNL 2464 FEL 43-047-36399 NBU 922-36H Sec 36 T09S R22E 2546 FNL 1059 FEL 43-047-36400 NBU 922-36N Sec 36 T09S R22E 0059 FSL 2066 FWL 43-047-36401 NBU 922-360 Sec 36 T09S R22E 1202 FSL 2116 FEL 43-047-36402 NBU 1022-12I Sec 12 T10S R22E 2297 FSL 1046 FEL 43-047-36403 NBU 1022-12P Sec 12 T10S R22E 1083 FSL 0462 FEL

This office has no objection to permitting the wells at this time.

ON-SITE PREDRILL EVALUATION Division of Oil, Gas and Mining

OPERATOR: Westport Oil & Gas Company, L. P.

WELL NAME & NUMBER: NBU 1022-12I

API NUMBER: 43-047-36402

LEASE: STUO-01197-AST (STATE) FIELD/UNIT: NATURAL BUTTES

LOCATION: 1/4,1/4 NE/SE Sec: 12 TWP: 10S RNG: 22E 2297 FSL 1046 FEL

LEGAL WELL SITING: 460' from unit boundary and uncommitted tracts.

GPS COORD (UTM): X = 0638202 E; Y = 4424643 N SURFACE OWNER: SITLA

PARTICIPANTS

Dennis L. Ingram (DOGM) Floyd Bartlett (UDWR) Debra Domenici (West Port Oil and Gas Company, L.P.) Clay Einerson (Westport) Dave

REGIONAL/LOCAL SETTING & TOPOGRAPHY

Location proposed 12.6 miles west of Ouray, then south 1.7 miles just north of the Mountain Fuel Bridge, then east another 5.3 miles and south 5.2 miles to location. The surface in the immediate area is high desert plateau with sparse vegetative ground cover and narrow ridges and adjacent draws that run toward the Whiter River, located 5/8 miles west of site and over 500 feet drop in elevation. Sandstone outcroppings were observed on every hillside and adjacent canyon the eye could see. Adjacent canyons were noted to north and southwest of location that drain into the White River flood plain.

SURFACE USE PLAN

CURRENT SURFACE USE: Open rangeland, some public use

PROPOSED SURFACE DISTURBANCE: Proposed 0.3 +/- miles of new access road plus location measuring 350'x 193' with reserve pit and soil storage outside of the described area.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: BON #1023-6M; NBU #31-12; BON #1023-7D; BON #1023-7B; FLAT MESA #2-7; NBU #102-11IX; NBU #102-11I; BON #1023-7L; NBU #24N2; FLAT MESA #1-7; NBU #32-13B; BON #1023-8D; UTE TRAIL #14; CANYON VIEW #1-18

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All equipment for production shall remain on site unless otherwise authorized. Pipeline is proposed along western side of location road south to existing pipeline; existing pipeline is along northern portion of a wash and needs moved north out of same when building road.

SOURCE OF CONSTRUCTION MATERIAL: Native cut and fill using borrowed material.

ANCILLARY FACILITIES: None requested

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST OR CONCERNS? (EXPLAIN): WHITE RIVER BELOW TO WEST, MAY BE POSSIBLE TO SEE

DRILLING RIG FROM TER DURING THE DRILLING OF ATION.

WASTE MANAGEMENT PLAN:

Submitted to the Division with Application to Drill and on file.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: White River to west with two canyons

FLORA/FAUNA: Desert shrub, sparse vegetation (see photos); antelope and mule deer potential but not classified as high value range.

SOIL TYPE AND CHARACTERISTICS: Reddish, tan fine-grained sandy loam with underlying sandstone layers.

SURFACE FORMATION & CHARACTERISTICS: Uinta Formation

EROSION/SEDIMENTATION/STABILITY: Active erosion in adjacent canyons to north and south, alluvium deposition, no stability problems anticipated

PALEONTOLOGICAL POTENTIAL: None observed during onsite

RESERVE PIT

CHARACTERISTICS: Proposed on northwest corner of location in cut measuring 150'x 100'x 10' deep, and having wellhead nearly downwind of the reserve pit.

LINER REQUIREMENTS (Site Ranking Form attached): 45 points

SURFACE RESTORATION/RECLAMATION PLAN

Operator has proposed All surfaces will be recontoured to approximately natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment, at which time reseeding will be done.

SURFACE AGREEMENT: Yes

CULTURAL RESOURCES/ARCHAEOLOGY: Done on 03/06/05 by Moal K. Montgomery

OTHER OBSERVATIONS/COMMENTS

Surface slopes to the south, located on the western most point overlooking the Whiter River, drainage head to southwest and northwest, sandy soil, sandstone outcroppings in all directions.

ATTACHMENTS

Photos of this location were taken and placed on file.

Dennis L. Ingram
DOGM REPRESENTATIVE

March 29, 2005 12:30 PM DATE/TIME

B__uation Ranking Criteria and Ranking b__e For Reserve and Onsite Pit Liner Requirements

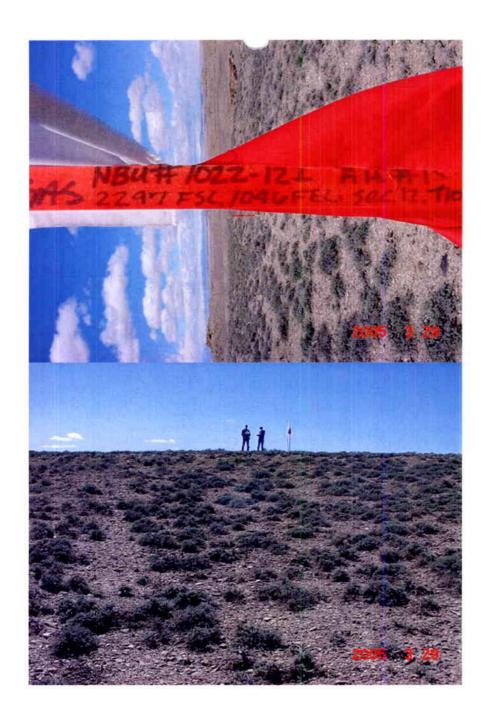
Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	20
<25 or recharge area	20	
Distance to Surf. Water (feet) >1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	_
< 100	20	0
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	0
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	0
Native Soil Type		
Low permeability	0	
Mod. permeability	10	22
High permeability	20	20
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents	20	5
nazardous conscituents	20	
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	0
Annual Draginitation (inches)		
Annual Precipitation (inches) <10	0	
10 to 20	5	
>20	10	0
		•
Affected Populations <10	^	
10 to 30	0 6	
30 to 50	8	
>50	10	0
Presence of Nearby Utility		
Conduits	•	
Not Present Unknown	0 10	
Present	15	0
1100110		<u>~</u>

Final Score

Sensitivity Level I = 20 or more; total containment is required, consider criteria for excluding pit use.

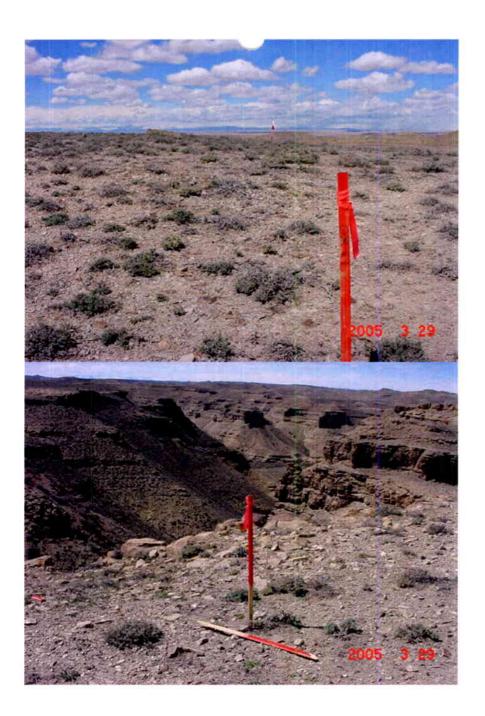
Sensitivity Level II = 15-19; lining is discretionary.

Sensitivity Level III = below 15; no specific lining is required.











DIVISION OF OIL, GAS AND MINING APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

OPERATOR:	Westport Oil & Gas Con	pany, L. P.
WELL NAME & NUMBER:		
	43-047-36402	
LOCATION : 1/4,1/4 <u>NE/SE</u> Se		<u>2297</u> FSL <u>1046</u> FEL
Geology/Ground Water:		
saline water at this location is esti shows no water wells within a 10 the Uinta Formation. The Uinta	imated to be at a depth of 3,70,000 foot radius of the propos Formation is made up of inte	on. The depth to the base of the moderately 00'. A search of Division of Water Rights records sed location. The surface formation at this site is rbedded shales and sandstones. The sandstones enificant source of useable ground water.
Reviewer: Bra	ıd Hill	Date: 04/12/04
Surface:		
input on issues regarding the cons was invited and notified by email a Wildlife Resources was also notified this location has sparse vegetative moved north and west because of reserve pit does provide a direct state of construction and maintenance of stated they intended to used two (2)	truction and drilling of this we and phone message on March fied and invited by the Division e cover and is listed as low of topography, or adjacent can thoughout the White River Flood I this pit throughout the drilling felt pads and double line (to and pads and p	ite meeting on March 29, 2005 to address and take ell. SITLA is the landowner of record. Ed Bonner 23, 2005. Floyd Bartlett with the Utah Division of on Staff to address wildlife issues. The surface of value wildlife habitat. This location staking was yons. Adjacent drainage or canyon to the north of Plain. Therefore, the operator shall take care in the fig process to assure no seepage occurs. Westport wo liners) the pit with a16 mil synthetic liner. Clay excess road up out of the wash it's in and build a low
Reviewer: Denni	is Ingram Date:	March 30, 2005

Conditions of Approval/Application for Permit to Drill:

1. A double 20 mil synthetic liner with a double felt subliner shall be properly installed and maintained in the reserve pit.

From:

Ed Bonner

To:

Whitney, Diana

Date:

4/6/2005 4:10:32 PM

Subject:

Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

Westport Oil & Gas Company

NBU 921-33F

NBU 921-33G

NBU 921-33I

NBU 921-33J

NBU 921-33K

NBU 921-33P NBU 921-34H

NBU 921-34K

NBU 921-34L

NBU 1022-12I

NBU 1022-12P

State 1021-36A

State 1021-36B

State 1021-36G

State 1021-36H

State 1021-36I

State 1021-36J

State 1021-360

State 1021-36P

If you have any questions regarding this matter please give me a call.

CC:

Garrison, LaVonne; Hill, Brad; Hunt, Gil

04-05 Westport NBU 1022-121 Well name:

Operator: Westport Oil & Gas

Surface String type:

Uintah County Location:

Project ID:

43-047-36402

Environment:

Minimum design factors: Design parameters: Collapse: Collapse

8.400 ppg Design factor

1.125

H2S considered?

No 75 °F

Mud weight: Design is based on evacuated pipe.

Surface temperature: Bottom hole temperature:

103 °F 1.40 °F/100ft

Temperature gradient: Minimum section length: 1,500 ft

Burst:

Design factor

1.00

Cement top:

642 ft

Burst

Max anticipated surface

pressure: Internal gradient: Calculated BHP

1,760 psi 0.120 psi/ft 2,000 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J) 1.80 (J) 8 Round LTC: 1.60 (J) **Buttress:** Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on buoyed weight. Neutral point: 1,753 ft

Non-directional string.

Re subsequent strings:

8,600 ft Next setting depth: 10.000 ppg Next mud weight: Next setting BHP: 4,468 psi 19.250 ppg Fracture mud wt:

2,000 ft Fracture depth: 2,000 psi Injection pressure

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2000	9.625	32.30	H-40	ST&C	2000	2000	8.876	126.8
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	873	1370	1.570	2000	2270	1.13	57	254	4.48 J

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining

Phone: 801-538-5280 FAX: 801-359-3940

Date: April 12,2005 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2000 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

04-05 Westport NBU 1022-12I Well name:

Westport Oil & Gas Operator:

Production String type:

Uintah County Location:

Project ID:

43-047-36402

Mud weight:

Minimum design factors: Design parameters: Collapse

10.000 ppg

Collapse:

Design factor 1.125 **Environment:**

H2S considered? No 75 °F Surface temperature: 195 °F Bottom hole temperature:

1.40 °F/100ft Temperature gradient: Minimum section length: 1,500 ft

Burst:

Design factor 1.00

Cement top:

Non-directional string.

Surface

Burst

Max anticipated surface

pressure: 1,584 psi Internal gradient: 0.335 psi/ft 4.467 psi Calculated BHP

Design is based on evacuated pipe.

No backup mud specified.

Tension:

8 Round STC: 1.80 (J) 1.80 (J) 8 Round LTC: **Buttress:** 1.60 (J) Premium: 1.50 (J) Body yield: 1.50 (B)

Tension is based on buoved weight. Neutral point: 7,314 ft

Nominal End True Vert Measured Drift Internal Run Segment **Finish** Depth Depth Diameter Capacity Weight Seq Length Size Grade (lbs/ft) (in) (ft³) (ft) (in) (ft) (ft) 1 8600 4.5 11.60 N-80 LT&C 8600 8600 3.875 199.3 Collapse Collapse Collapse **Burst Burst Burst Tension Tension Tension** Run Strength Design Strength Design Load Strength Design Seq Load Load Factor **Factor** (Kips) (Kips) **Factor** (psi) (psi) (psi) (psi) 85 223 2.63 J 1 4467 6350 1.421 4467 7780 1.74

Prepared Clinton Dworshak Utah Div. of Oil & Mining

Phone: 801-538-5280 FAX: 801-359-3940

Date: April 12,2005 Salt Lake City, Utah

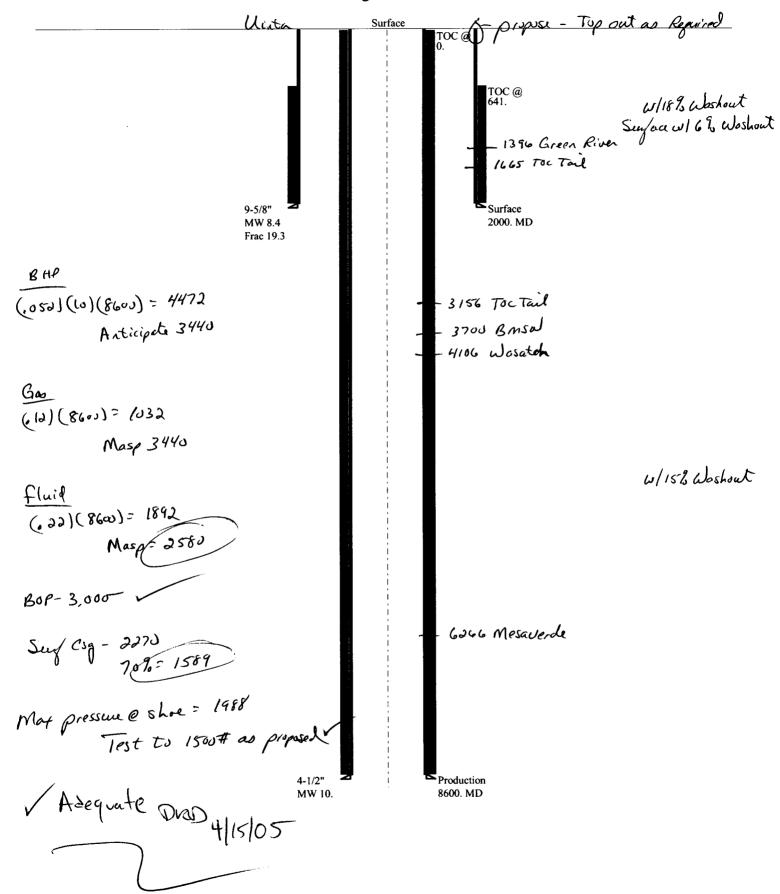
Remarks:

Collapse is based on a vertical depth of 8600 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

04-05 Westport NBU 1022 2I

Casing Schematic





State of Utah

Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

MARY ANN WRIGHT Acting Division Director

JON M. HUNTSMAN, JR.

Governor

GARY R. HERBERT Lieutenant Governor

April 18, 2005

Westport Oil & Gas Company, LP 1368 South 1200 East Vernal, UT 84078

Re:

Natural Buttes Unit 1022-12I Well, 2297' FSL, 1046' FEL, NE SE, Sec. 12,

T. 10 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-36402.

Sincerely

Jøhn R. Baza Associate Director

jc Encl

Enclosures

cc: Uintah County Assessor

SITLA

Bureau of Land Management, Vernal District Office

Operator:	Westport Oil & Gas Company, LP	
Well Name & Number	Natural Buttes Unit 1022-12I	
API Number:	43-047-36402	
Lease:	STUO-01197-AST	· · · · · · · · · · · · · · · · · · ·

Location: NE SE Sec. 12 T. 10 South R. 22 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
- 5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

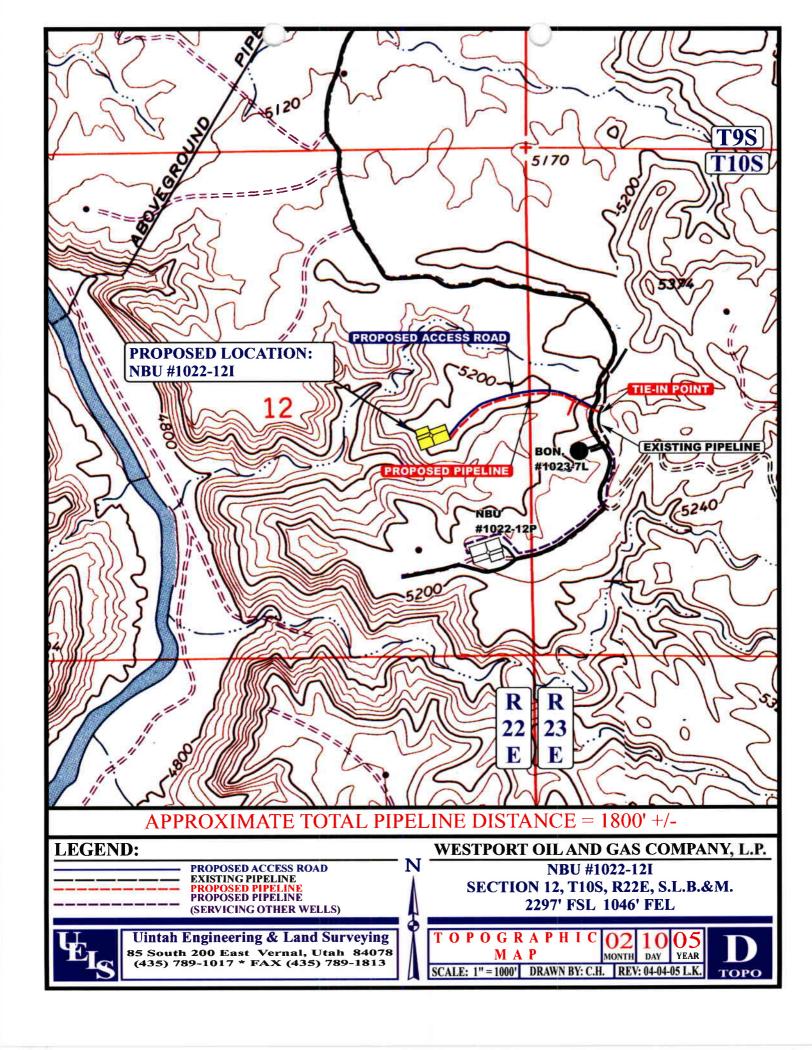
Page 2 API # 43-047-36402 April 18, 2005

6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL CAS AND MINING

DIVISIO	Lease Designation and Serial Number ST UO-01197-AST			
			7. Indian Allottee or Tribe Name	
	ES AND REPORTS ON			
Do not use this form for proposals to drill new v	wells, deepen existing wells, or to reenter proposals	olugged and abandoned wells.	8. Unit or Communitization Agreement	
	HON FOR PERIVIT - 101 SUCTI PROPOSAIS		891008900A	
1. Type of Well Oil Gas			Well Name and Number	
Well X Gas Well	Other (specify)		NBU 1022-12I	
Name of OperatorWESTPORT OIL & GAS COMPAN	NY, L.P.		10. API Well Number 43-047-36402	
3. Address of Operator		4. Telephone Number	11. Field and Pool, or Wildcat	
1368 SOUTH 1200 EAST, VERNA	L, UTAH 84078	435-781-7060	NATURAL BUTTES	
5. Location of Well				
Footage : 2297' FSL		•	UINTAH	
QQ, Sec, T., R., M : NESE SEC			UTAH	
12. CHECK APPROPRIA	ATE BOXES TO INDICATE		, REPORT, OR OTHER DATA	
NOTICE OF I (Submit in Du			BSEQUENT REPORT Domit Original Form Only)	
Abandonment	New Construction	Abandonment	* New Construction	
Casing Repair	Pull or Alter Casing	Casing Repair	Pull or Alter Casing	
Change of Plans	Recompletion	X Change of Plai	ns Shoot or Acidize	
Conversion to Injection	Shoot or Acidize	Conversion to	=	
Fracture Treat	Vent or Flare	Fracture Treat		
=	Water Shut-Off	Other		
Multiple Completion	water Stidt-Off			
Other		Date of Work Completion		
Approximate Date Work Will Start		Date of Work Completion		
Approximate Date Work Will Start		Report results of Multiple	Completions and Recompletions to different reservoirs	
			OR RECOMPLETION AND LOG form.	
			ied by a cement verification report.	
 DESCRIBE PROPOSED OR COMPLETE locations and measured and true vertical or 			lates. If well is directionally drilled, give subsurface	
THE TIE-IN POINT FOR THE PIPE	ELINE WAS CHANGED AT	THE PRE-SITE ON MA	RCH 29, 2005. PLEASE FIND	
ATTACHED A NEW TOPO D SHO			CEIVED	
		AP	R 1 9 2005	
		DIV. OF	DIL, GAS & MINING	
14. I hereby certify that the foregoing is	true and correct.			
Name & SignatureDEBRA_DOM	IENICI Della Domo	Title ASSOC	E. ENV. ANALYST Date 04/13/05	
(State Use Only)				

See Instructions on Reverse Side



NBU #1022-12I NESE Sec. 12, T10S-R22E Uintah County, UT STUO-01197-AST

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. Planned Access Roads:

Approximately 0.3 miles of new access road is proposed. Refer to Topo Map B for the location of the proposed access road.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet. Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities will be determined at the on-site.

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

3. Location of Existing Wells Within a 1-Mile Radius

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities & Pipelines

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes

will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Approximately 2100' of low pressure and 3700' of high pressure up to 8" pipeline is proposed. The pipeline will be butt-welded together. Refer to Topo D for the proposed pipeline.

5. Location and Type of Water Supply:

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. Source of Construction Materials

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. Methods of Handling Waste Materials

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner and felt will be used, it will be a minimum of 16 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled By truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E.

8. Ancillary Facilities:

None are anticipated.

9. Well Site Layout: (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

The reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Location size may change prior to the drilling of the well due to current rig availability. If the proposed location is not large enough to accommodate the drilling rig the location will be re-surveyed and a Form 9 shall be submitted.

10. Plans for Reclamation of the Surface:

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

A plastic, nylon reinforced liner will be used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. Surface Ownership:

SITLA 675 East 500 South, Suite 500 Salt Lake City, UT 84102

12. Other Information:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey will be submitted when it is received by our office.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it Within 460' of any non-committed tract lying within the boundaries of the Unit.

13. <u>Lessee's or Operators's Representative & Certification:</u>

Debra Domenici Environmental Assistant Westport O&G Co. 1368 South 1200 East Vernal, UT 84078 (435) 781-7060 Randy Bayne
Drilling Operations Manager
Westport O&G Co.
1368 South 1200 East
Vernal, UT 84078
(435)781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Westport O&G Co. is considered to be the operator of the subject well. Westport O&G Co. agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by State Surety Bond #RLB0005236.

BIRTI	114		40	
NRU	#1	022-	-12	

Surface Use & Operations Plan

Page 6

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Debra Domenici 3/11/05
Date

NBU #1022-12I NESE SECTION 12-T10S-R22E UINTAH COUNTY, UTAH LEASE NUMBER: STIO-01197-AST

ONSHORE ORDER NO. 1 WESTPORT OIL & GAS COMPANY

DRILLING PROGRAM

1. <u>Estimated Tops of Important Geologic Markers:</u>

Formation	<u>Depth</u>
Uinta	Surface
Green River	1396'
Wasatch	4106'
Mesa Verde	6266'
Total Depth	8600'

2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

Substance	<u>Formation</u>	<u>Depth</u>
	Green River	1396'
Gas	Wasatch	4106'
	Mesa Verde	6266'
Water	N/A	
Other Minerals	N/A	

3. Pressure Control Equipment:

Please refer to the attached Drilling Program.

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program.

5. <u>Drilling Fluids Program</u>:

Please refer to the attached Drilling Program.

6. Evaluation Program:

Please refer to the attached Drilling Program.

7. Abnormal Conditions:

Maximum anticipated bottomhole pressure at 8600' TD approximately equals 3440 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1548 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. Anticipated Starting Dates & Notification of Operations:

Please refer to the attached Drilling Program.

9. <u>Variances</u>:

Please refer to the attached Drilling Program.

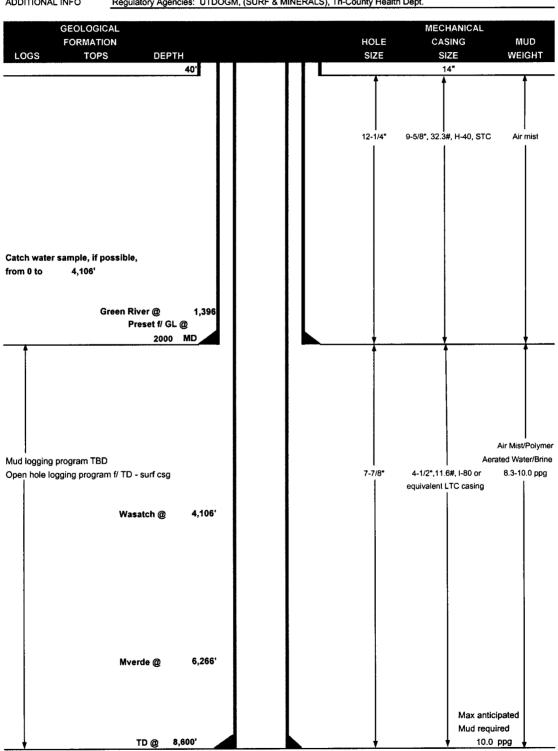
10. Other Information:

Please refer to the attached Drilling Program.



Westport Oil and Gas Company, L.P. DRILLING PROGRAM

COMPANY NAME	Westport Oil and Gas Co., L.P.	DATE	March 1,	March 1, 2005			
WELL NAME	NBU 1022-12I	TD	8,600'	MD/TVD			
FIELD LOVE	COUNTY Uintah STATE L	Jtah	ELEVATION	5,226' GL	КВ	5,241'	
SURFACE LOCATION	NESE SECTION 12-T10S-R22E 2297'FSL & 1	046'FEL			BHL	Straight Hole	
	Latitude: 39.962483 Longitude: 109.3	82589					
OBJECTIVE ZONE(S)	Wasatch/Mesaverde						
ADDITIONAL INFO	INFO Regulatory Agencies: UTDOGM, (SURF & MINERALS), Tri-County Health Dept.						





Westport Oil and Gas Company, L.P. DRILLING PROGRAM

CASING PROGRAM

								DESIGN FACTORS		
	SIZE	IN	TERV	AL	WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'								
								2270	1370	254000
SURFACE	9-5/8"	0	to	2000	32.30	H-40	STC	0.88****	1.46	4.49
								7780	6350	201000
PRODUCTION	4-1/2"	0	to	8600	11.60	I-80	LTC	3.02	1.42	2.31

¹⁾ Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

(Burst Assumptions: TD =

10.0 ppg)

.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

2580 psi

Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

CEMENT PROGRAM

	FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1		+ .25 pps flocele				
TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt	50		15.60	1.18
		+ 2% CaCl + .25 pps flocele				
TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		NOTE: If well will circulate water to se	urface, op	tion 2 will b	e utilized	
Option 2 LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite	170	35%	11.00	3.82
		+.25 pps Flocele + 3% salt BWOC				
TAIL	500	Premium cmt + 2% CaCl	180	35%	15.60	1.18
		+ .25 pps flocele				
TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION LEAD	3,600'	Premium Lite II + 3% KCI + 0.25 pps	390	60%	11.00	3.38
		celloflake + 5 pps gilsonite + 10% gel				
		+ 0.5% extender				
TAIL	5,000'	50/50 Poz/G + 10% salt + 2% gel	1400	60%	14.30	1.31
!		+.1% R-3	L			

^{*}Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.					
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.					

ADDITIONAL INFORMATION

Drop Totco s	surveys every 2000'. Maximum allowable hole angle is 5 degrees.
& lower kelly	y valves.
tour sheet. F	Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper
BOPE: 11"3	3M with one annular and 2 rams. Test to 3,000 psi (annular to 1,500 psi) prior to drilling out. Record on chart recorder &
Test casing h	head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

DRILLING ENGINEER:		DATE:	
	Brad Laney		
DRILLING SUPERINTENDENT:		DATE:	
	Randy Bayne	•	

²⁾ MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

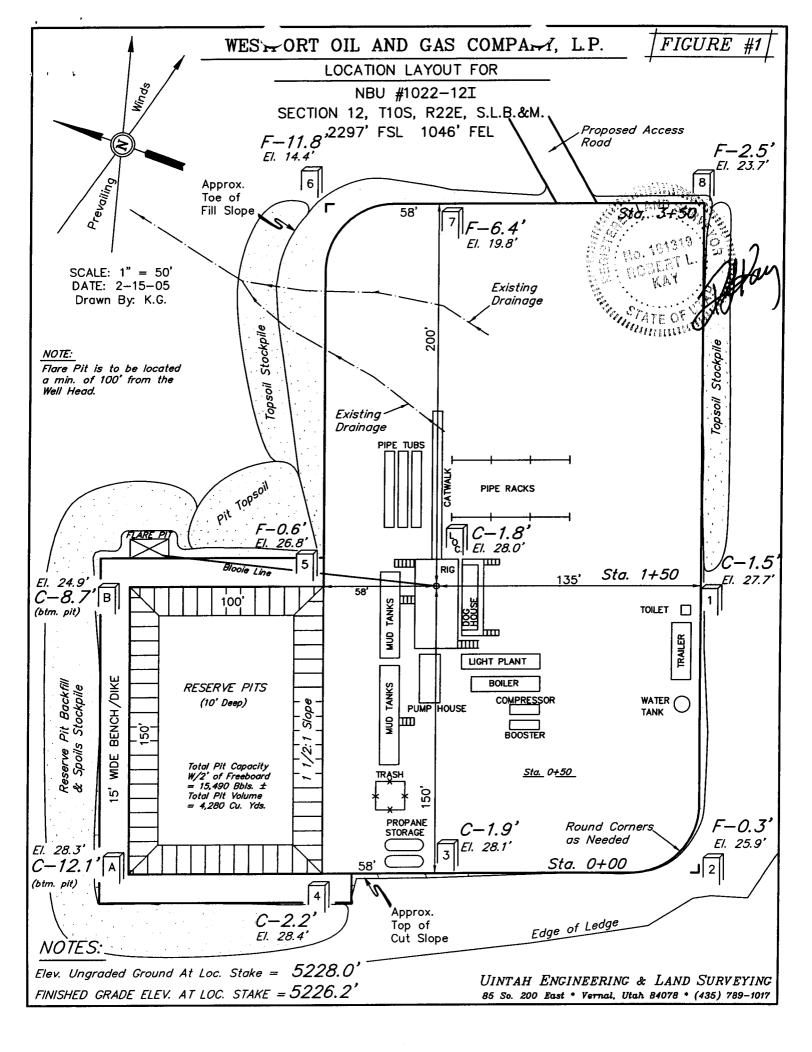
^{*}Substitute caliper hole volume plus 15% excess for TAIL if accurate caliper is obtained

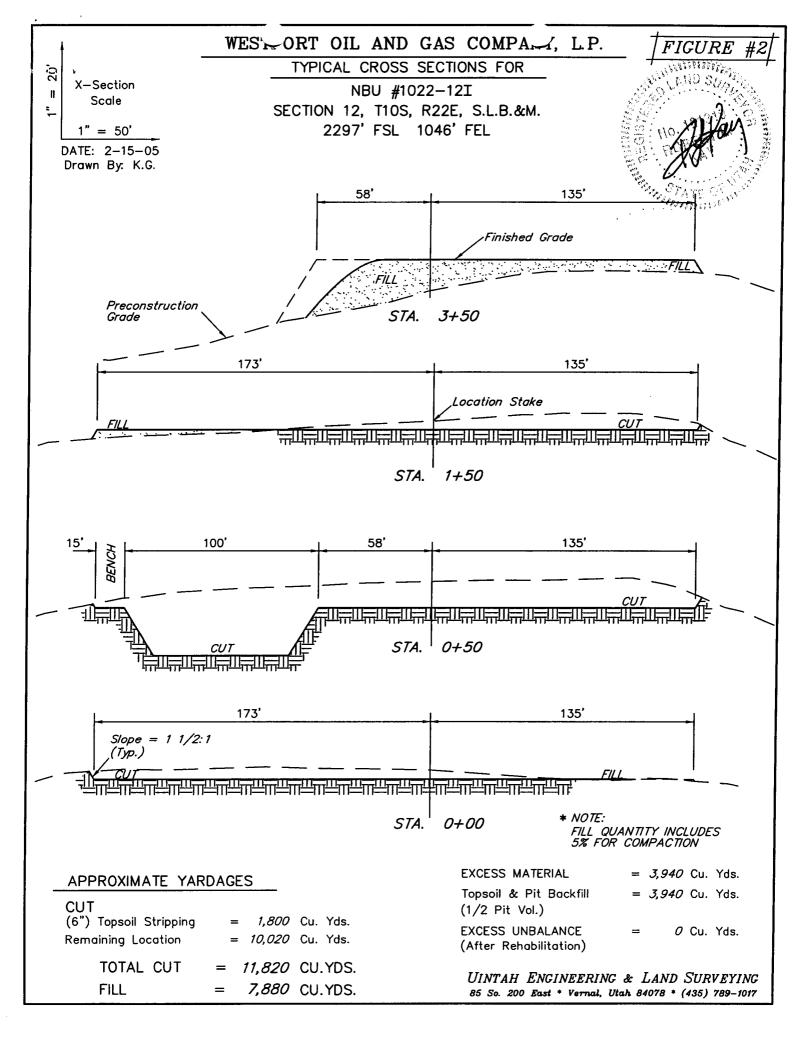
WESTPORT OIL AND GAS COMPANY, L.P. NBU #1022-12I

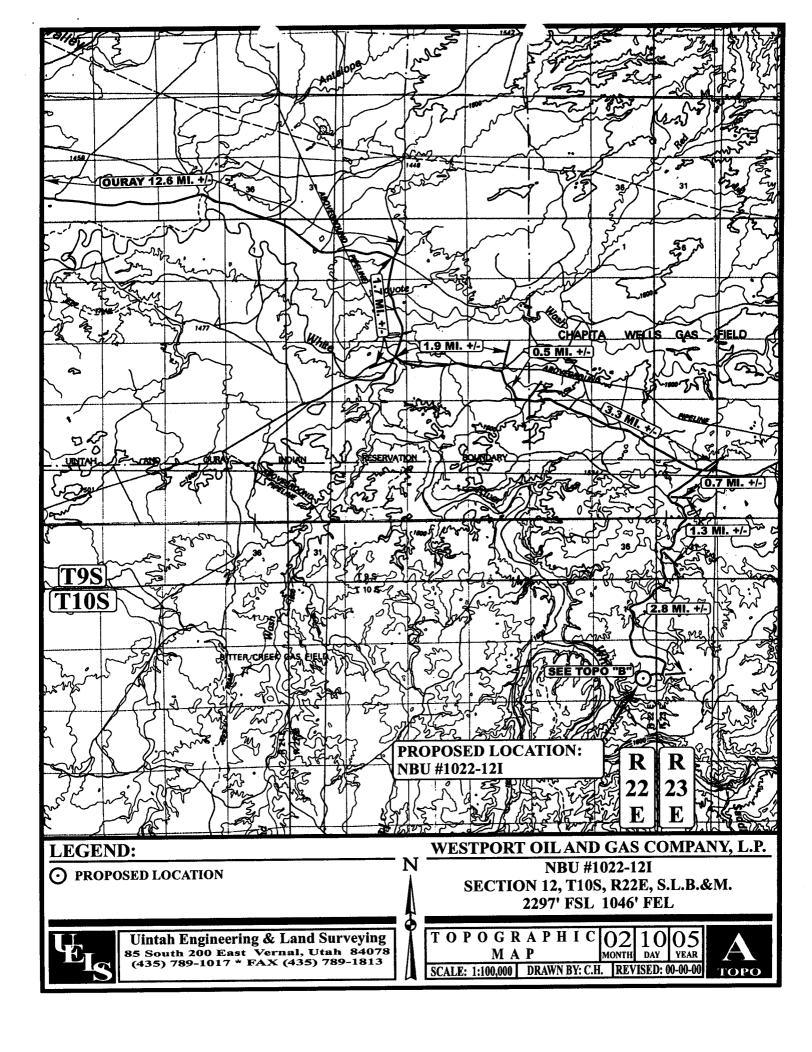
SECTION 12, T10S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH: RIGHT AND **PROCEED** IN \mathbf{A} **SOUTHERLY DIRECTION** APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN AND **PROCEED** IN A SOUTHEASTERLY APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN A EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 3.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 1.3 TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; PROCEED IN A SOUTHERLY DIRECTOIN APPROXIMATELY 2.8 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 56.1 MILES.







WESTPORT OIL AND GAS COMPANY, L.P.

NBU #1022-12I

LOCATED IN UINTAH COUNTY, UTAH **SECTION 12, T10S, R22E, S.L.B.&M.**

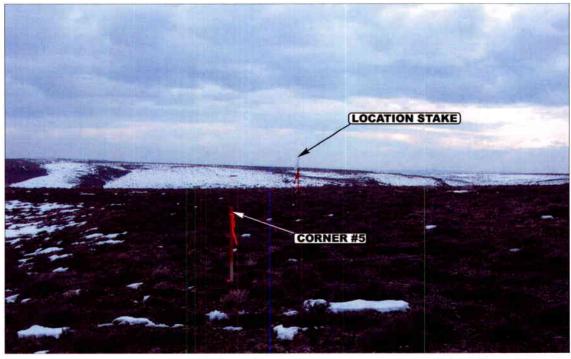


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: WESTERLY

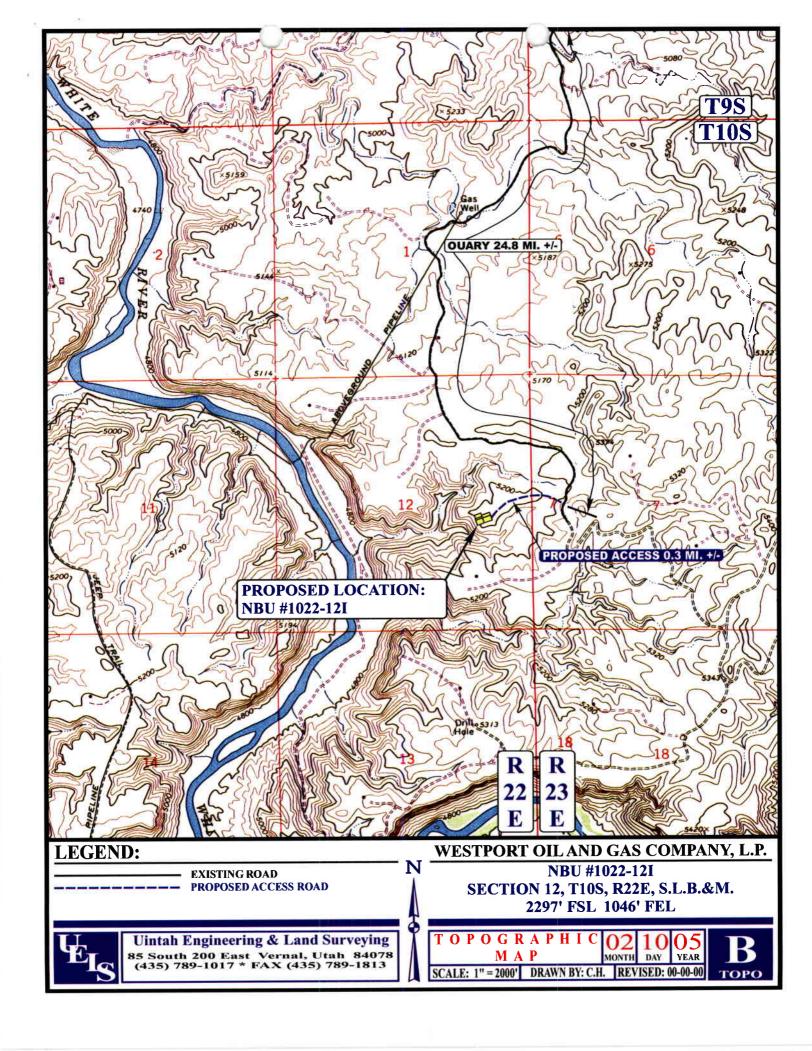


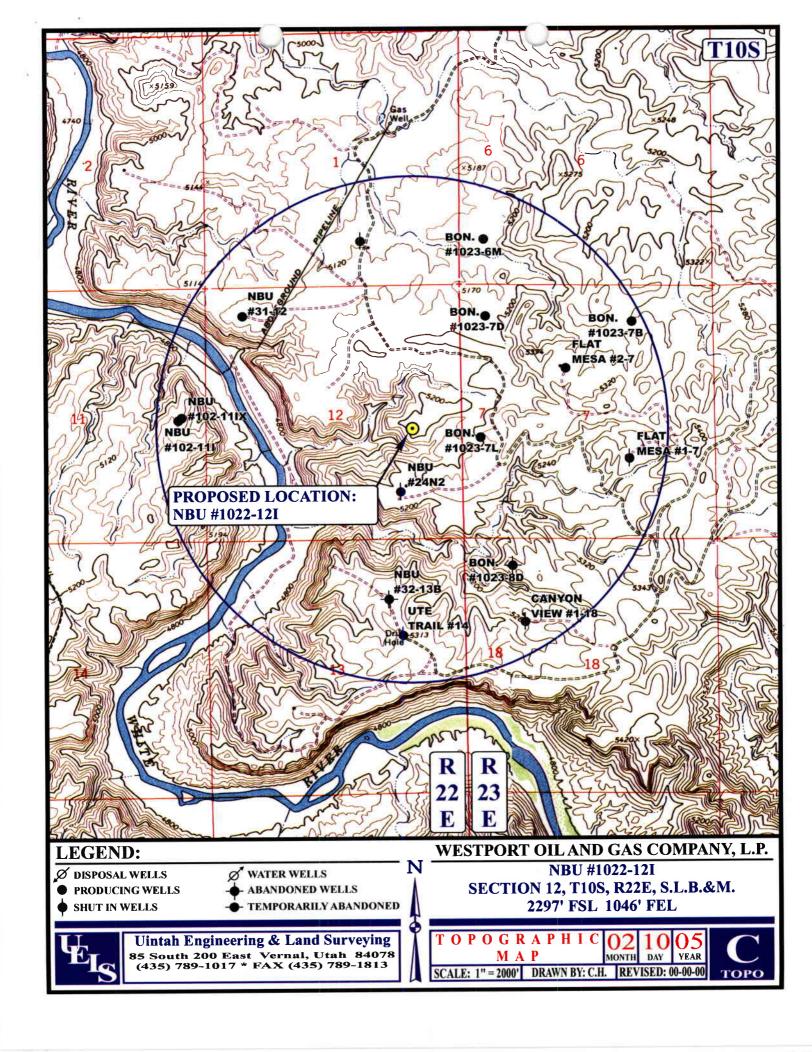
Uintah Engineering & Land Surveying 85 South 200 East Vernal, Utah 84078 435-789-1017 vels@uelsinc.com

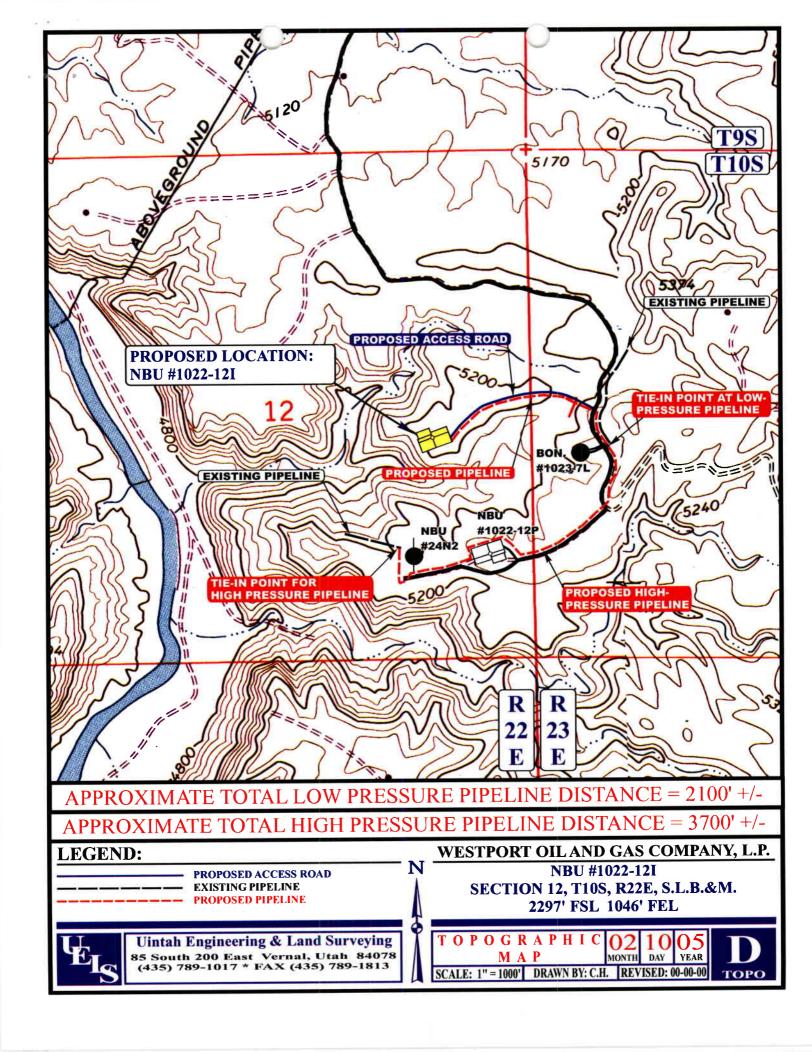
LOCATION PHOTOS

РНОТО

TAKEN BY: D.K. DRAWN BY: C.H. REVISED: 00-00-00







DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Cor	npany:		WESTPO	RT (OIL & G	AS COMP	ANY LP	
Well Name:			NBU 1022	<u>-12I</u>	[
Api No <u>:</u>	43-047-364	02	L	ease	е Туре:	STATE		
Section 12	Township_	10S	_Range_ <u>22</u>	E	_County_	UINT	АН	
Drilling Con	tractor	PET	E MARTIN	<u> 1'S</u>		RIG #_	BUCKET	·
SPUDDE	D: Date	04/0	7/06	_				
	Time							
	How	DR	Υ	_				
Drilling wi	ill Commen	ce:		<u></u>				
Reported by		L	OU WELD	ON				
Telephone#		(4	35) 828-70	<u>35</u>				
Date 0	4/10/2006	Si	gned	(СНД			

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTIO	N FORM
	
	A

Operator:

WESTPORT OIL & GAS COMPANY L,P.

Operator Account Number: N 2115

Address:

1368 SOUTH 1200 EAST

city VERNAL

zio 84078 state UT

Phone Number: (435) 781-7024

Vell 1			QQ	Sec	Twp	Rng	County
API Number	Well	Vame				22E	UINTAH
4304736402	NBU 1022-12I		NESE	12	10\$		
Action Code	Current Entity Number	New Entity Number	9	Spud Date		Entity Assignment Effective Date	
2	99999	2900	_ 	4/7/200	6	4	/13/06
<i>\(\operatorname{D}_{\operatorname{D}}\)</i>		1.10	m 1/1	``			K

Comments:

MIRU PETE MARTIN BUCKET RIG.

WSMVD

SPUD WELL LOCATION ON 04/07/2006 AT 1030 HRS.

API Number	Well Name		QQ	Sec_	Twp	Rng		
Action Code	Current Entity Number	New Entity Number		Spud Date		Ent	Entity Assignment Effective Date	
mments:								

API Number	Well Name		QQ	QQ Sec Twp			Rng County		
Action Code	Current Entity Number	New Entity Number	8	Spud Date		Entity Assignmen Effective Date			
mments:									

ACTION CODES:

(5/2000)

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity

- Other (Explain in 'comments' section)

TO EAR LONG RUSSELL CO./DODL UTDOGM (Fax 4/25) 791-7094 SHEILA UPCHEGO

Name Please Pi

REGULATORY ANALYST

4/10/2006

Title

DIV. OF OIL, GAS & MINING

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

5.	LEASE DESIGNATION AND	SERIAL NUMBER:

	ST-UO-01197-AST
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT OF CA AGREEMENT NAME: NATURAL BUTTES UNIT
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: NBU 1022-12I
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP	9. API NUMBER: 4304736402
3. ADDRESS OF OPERATOR: PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
1368 S. 1200 E. CITY VERNAL STATE UT ZIP 84078 (435) 781-7024	NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2297'FSL, 1046'FEL	COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 12 10S 22E	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT ACIDIZE DEEPEN Submit in Duplicate) ALTER CASING FRACTURE TREAT	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TEMPORARILY ABANDON TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
	WATER DISPOSAL
(Submit Original Form Only)	<u></u>
Date of work completion: CHANGE WELL STATUS PRODUCTION (START/RESUME)	WATER SHUT-OFF
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER: WELL SPUD
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" W/28 SX READY MIX. SPUD WELL LOCATION ON 04/07/2006 AT 1030 HRS.	
NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY	ANALYST
// // // // // // // // 4/10/2006	
SIGNATURE / / MUNICIPALITY DATE 471072000	

(This space for State use only)

RECEIVED
APR 1 4 2006

ROUTING 1. DJJ 2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below	w has changed, effective:			1/6/2006		
FROM: (Old Operator):		TO: (New O	perator):		•	
N2115-Westport Oil & Gas Co., LP		N2995-Kerr-M	-	das Onsho	e, LP	
1368 South 1200 East			South 1200		•	
Vernal, UT 84078		Vernal	l, UT 84078	3		
Phone: 1-(435) 781-7024		Phone: 1-(435)	781-7024			
	CA No.	Unit:	N	ATURAL B	UTTES	UNIT
WELL NAME	SEC TWN RN	G API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
OPERATOR CHANGES DOC	UMENTATION					
Enter date after each listed item is con	ıpleted					
1. (R649-8-10) Sundry or legal docume	-	he FORMER ope	erator on:	5/10/2006		
2. (R649-8-10) Sundry or legal docume	entation was received from t	he NEW operator	on;	5/10/2006	-	
3. The new company was checked on the	ne Department of Commer	ce, Division of C	orporation	s Database o	on:	3/7/2006
4a. Is the new operator registered in the	State of Utah: YE	S Business Numl	ber:	1355743-018	1	
4b. If NO, the operator was contacted of		_			-	
5a. (R649-9-2)Waste Management Plan I	nas been received on:	IN PLACE				
5b. Inspections of LA PA state/fee well:		n/a	3 LA well	s & all PA w	ells tran	sferred
5c. Reports current for Production/Dispo	-	ok	-			
6. Federal and Indian Lease W	Vells: The BLM and or the	BIA has appro	oved the r	nerger, nan	ne chan	ge,
or operator change for all wells listed			BLM	3/27/2006		not yet
7. Federal and Indian Units:				,		
The BLM or BIA has approved the	successor of unit operator:	for wells listed on		3/27/2006		
8. Federal and Indian Commu	nization Agreements (("CA"):				
The BLM or BIA has approved the	operator for all wells listed	within a CA on:		n/a		
9. Underground Injection Con	/	Division has appr		· ·	sfer of A	uthority to
Inject, for the enhanced/secondary re	ecovery unit/project for the	water disposal we	ll(s) listed o	on:		
DATA ENTRY:						
1. Changes entered in the Oil and Gas		5/15/2006	_			
2. Changes have been entered on the M		_		5/15/2006	•	
3. Bond information entered in RBDM		5/15/2006	_			
 Fee/State wells attached to bond in R Injection Projects to new operator in 		5/16/2006	_			
5. Injection Projects to new operator in6. Receipt of Acceptance of Drilling Pr				Nama Chan	aa Only	
BOND VERIFICATION:	ocedures for At D/New on.		n/a	Name Chan	ge Omy	
1. Federal well(s) covered by Bond Nu	mher:	CO1203				
Indian well(s) covered by Bond Num Indian well(s) covered by Bond Num		RLB0005239				
3. (R649-3-1) The NEW operator of an			-	RLB000523	5	
a. The FORMER operator has requested			n/a	rider added		
The Division sent response by letter of		OUIG OII.	<u></u>	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
LEASE INTEREST OWNER N			=			
4. (R649-2-10) The FORMER operator		ntacted and infor	med by a le	tter from the	Division	·
of their responsibility to notify all into	erest owners of this change of	on:	5/16/2006			
COMMENTS:						

4 Form 3160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No. 1004-0135 Expires Inovember 30, 2000

Lease Serial No.

	NOTICES AND REPOR			MULTIPLE LEASES	
	form for proposals to Use Form 3160-3 (APD			6. If Indian, Allottee or Trib	oe Name
	ICATE - Other instru			7. If Unit or CA/Agreement	, Name and/or No.
1. Type of Well				-	
Oil Well X Gas Well	Other			8. Well Name and No.	
2. Name of Operator				MUTIPLE WELLS	3
KERR-McGEE OIL & GAS (ONSHORE LP			9. API Well No.	·
3a. Address		3b. Phone No. (include	area code)		
1368 SOUTH 1200 EAST V		(435) 781-7024		10. Field and Pool, or Explor	atory Area
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Descript	(on)			
SEE ATTACHED				11. County or Parish, State	
SEE ATTACHED			:	UINTAH COUNTY, U	TAH
	ROPRIATE BOX(ES) TO	INDICATE NATURE O	F NOTICE, R	EPORT, OR OTHER DAT	A
TYPE OF SUBMISSION		ТҮРЕ	OF ACTION	<u> </u>	
Notice of Intent	Acidize Alter Casing	Deepen [(Start/Resume) Water S	
Subsequent Report	Casing Repair	New Construction	Reclamation Recomplete	Other C	HANGE OF
Final Abandonment Notice	Change Plans Convert to Injection	Plug and Abandon Plug Back	Temporarily Water Dispo		TOR
If the proposal is to deepen directions Attach the Bond under which the wo following completion of the involved testing has been completed. Final A determined that the site is ready for fin	rk will be performed or provide operations. If the operation resi bandonment Notices shall be fil	the Bond No. on file with BI alts in a multiple completion of	LM/BIA Require or recompletion in	ed subsequent reports shall be fi	led within 30 days
PLEASE BE ADVISED THA OPERATOR OF THE ATTA KERR-McGEE OIL & GAS CO OF THE LEASE(S) FOR TH IS PROVIDED BY STATE OF BLM B BIA	CHED WELL LOCATION ONSHORE LP, IS RES IE OPERATIONS CON	DNS. EFFECTIVE JAPONSIBLE UNDER INDUCTED UPON LEASE BOND NO. RLBOOK API	ANUARY 6, TERMS AN ASE LANDS 05237. PROVEI Ouloue	2006, D CONDITIONS S. BOND COVERAGE D <u>51/6106</u> DI Russell	RECEIVED MAY 1 0 2006 V. OF OIL, GAS & MININ
14. I hereby certify that the foregoin	g is true and correct	Divis	ion of Oil, (Sas and Mining	
Name (Printed/Typed) RANDY BAYNE		Title Earle		Engineering Technicia	n.
Sandy Sayne		Date May 9, 2006			
	THIS SPAC	E FOR FEDERAL OR ST	ATE USE		
Approved by		Title		Date	
Conditions of approval, if any, are attached certify that the applicant holds legal or equ which would entitle the applicant to conduct	itable title to those rights in the su	warrant or Office			

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3 160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires Inovember 30, 2000

5. Lease Serial No.

	NOTICES AND REPORT		. 4	MULTIPLE	EASES
	form for proposals to			6. If Indian, Al	ottee or Tribe Name
abandoned well.	Use Form 3160-3 (APD) for such proposals.			
SUBMIT IN TRIPL	ICATE – Other instru	ıctions on reverse s	side	7. If Unit or CA	VA greement, Name and/or No.
1. Type of Well			·		
Oil Well Gas Well	Other	0		8. Well Name a	nd Ma
2. Name of Operator	- Outo		·		
•	N40440// 0			MUTIPLE	
WESTPORT OIL & GAS CO	JMPANY L.P.	lot by the state of the state o		9. API Well No	
	/EDMAL UT 04070	3b. Phone No. (include a	rea code)		
1368 SOUTH 1200 EAST V		(435) 781-7024		10. Field and Poo	ol, or Exploratory Area
4. Location of Well (Footage, Sec.,	1., K., M., or Survey Description	on)			
SEE ATTACHES				11. County or Pa	rish, State
SEE ATTACHED				UINTAH COI	INTV LITAH
	ROPRIATE BOX(ES) TO	INDICATE NATURE OF	NOTICE, RI	PORT, OR OT	HER DATA
TYPE OF SUBMISSION		ТҮРЕ	OF ACTION		
Notice of Intent	Acidize	Deepen	Production ((Start/Resume)	Water Shut-Off
	Alter Casing	Fracture Treat	Reclamation	· [Well Integrity
Subsequent Report	Casing Repair	New Construction	Recomplete	•	Other CHANGE OF
	Change Plans	Plug and Abandon	Temporarily		OPERATOR
Final Abandonment Notice 13. Describe Proposed or Completed Oper	Convert to Injection	Plug Back] Water Dispo		
Attach the Bond under which the wor following completion of the involved testing has been completed. Final Aldetermined that the site is ready for fin EFFECTIVE JANUARY 6, 20 THE OPERATORSHIP OF TONSHORE LP.	operations. It the operation results bandonment Notices shall be file all inspection. O06, WESTPORT OIL & THE ATTACHED WELL APPR	ats in a multiple completion or and only after all requirements, if the completion of the completion o	recompletion in including rectars P., HAS RE RR-McGE	a new interval, a F vation, have been c ELINQUISHEE E OIL & GAS	form 3160-4 shall be filed once ompleted, and the operator has
	Ca	ulone Russe	00		
	Division	of Oil, Cas and Mini	n#		MAY 1 0 2006
	Earlene i	Russell, Engineering	Technician		2000
14. I hereby certify that the foregoing				DIV.	OF OIL, GAS & MINING
Name (Printed/Typed)	is true and correct	1 Title			
BRAD LANEY		ENGINEERING SE	DECIVITIES.		
Signature		Date	LOIALIST		
		May 9, 2006			
	THIS SPACE	FOR FEDERAL OR STA	TE USE		
Approved by		Title		Date	
- Olack January				5-9-0	26
Conditions of approval, if any, are attracted certify that the applicant holds legal of equi	Approval of this notice does not verble title to those rights in the set	warrant or Office			
which would entitle the applicant to conduct	operations thereon.				
Title 18 U.S.C. Section 1001, make	it a crime for any person kno	wingly and willfully to mak	e to any depar	ment or agency	of the United States any

false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH	FORM 9
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: ST UO-01197-AST
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT OF CA AGREEMENT NAME: UNIT #891008900A
1 TYPE OF WELL	WELL NAME and NUMBER:
OIL WELL GAS WELL OTHER	NBU 1022-12I
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP	9. API NUMBER: 4304736402
3. ADDRESS OF OPERATOR: PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
CHIS - STATE - ZIF	NATOTAL BOTTLES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2297'FSL, 1046'FEL	COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 12 10S 22E	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF ACTION	
THE CO CODMISSION	REPERFORATE CURRENT FORMATION
NOTICE OF INTENT	SIDETRACKTO REPAIR WELL
	TEMPORARILY ABANDON
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	
6/1/2006 CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	☐ TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only) CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
Date of work completion:	WATER SHUT-OFF
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER: DIRECTIONAL
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	DRILL
	N TO DIRECTIONAL DRILL THE
NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGUALTORY	ANALYST

(This space for State use only)

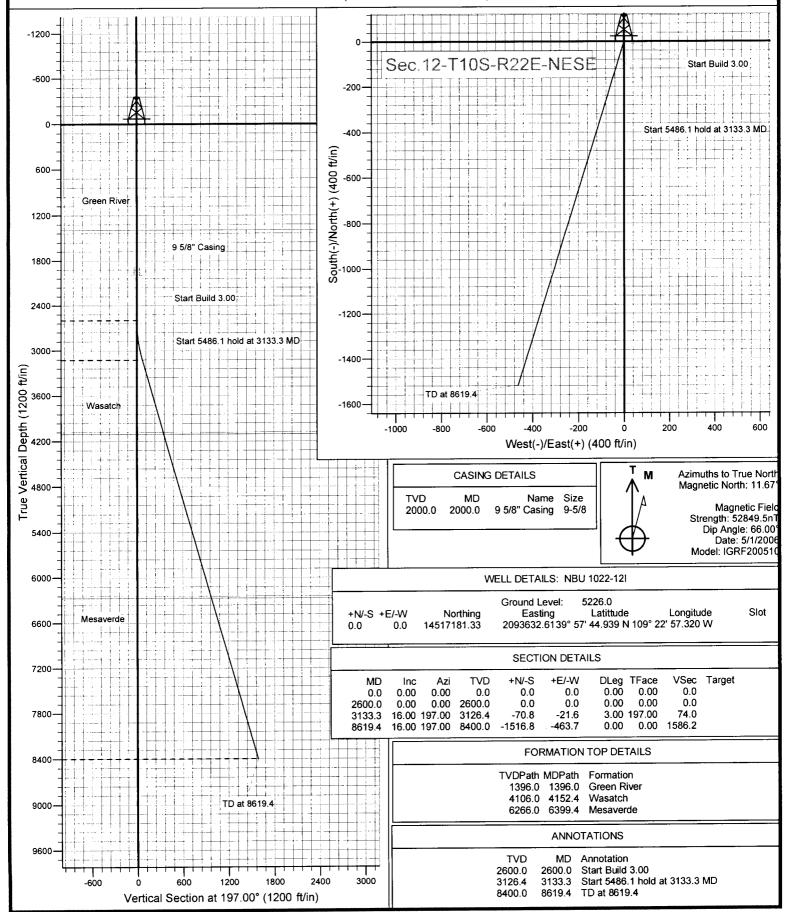
RECEIVED MAY 1 9 2006

Company: Kerr McGee Oil & Gas Project: Uintah Co., UT

Site: Sec.12-T10S-R22E-NESE

Well: NBU 1022-12I Wellbore: Wellbore #1 Plan: Plan #1 (NBU 1022-12I/Wellbore #1)





Kerr McGee Oil & Gas

Uintah Co., UT Sec.12-T10S-R22E-NESE NBU 1022-12I Wellbore #1

Plan: Plan #1

Pathfinder Planning Report

01 May, 2006

Planning Report

Database:

EDM 2003.14 Single User Db

Company:

Project: Site:

Uintah Co., UT Sec.12-T10S-R22E-NESE

Well: Wellbore: Design:

NBU 1022-12I

Kerr McGee Oil & Gas

Welibore #1

Local Co-ordinate Reference:

TVD Reference:

MD Reference: North Reference:

Survey Calculation Method:

Well NBU 1022-12I

WELL @ 5226.0ft (Original Well Elev) WELL @ 5226.0ft (Original Well Elev)

True

Minimum Curvature

Project

Uintah Co., UT

Plan #1

Map System:

Universal Transverse Mercator (US Survey Feet)

System Datum:

Mean Sea Level

Geo Datum:

NAD83 Utah - HARN

Map Zone:

Zone 12N (114 W to 108 W)

Sec.12-T10S-R22E-NESE

Site

Well

Site Position:

Well Position

Lat/Long

+N/-S

+E/-W

Northing:

14,517,181.33 ft

Latitude:

39° 57' 44.939 N

From:

Easting: Slot Radius: 2,093,632.61 ft

Longitude: **Grid Convergence:** 109° 22' 57.320 W

1.04°

Position Uncertainty:

NBU 1022-12I

0 0 ft

39° 57' 44.939 N Latitude:

0.0 ft 0.0 ft Northing: Easting:

14,517,181.33 ft 2,093,632.61 ft

11.67

Longitude:

Position Uncertainty

0.0 ft

Ground Level:

109° 22' 57.320 W

Wellhead Elevation:

5/1/2006

5,226.0 ft

52,849

Wellbore

Wellbore #1

Magnetics

Model Name

Sample Date

Declination (°)

Dip Angle (°)

0.00

Field Strength

(nT)

IGRF200510

Plan #1

16.00

197.00

Audit Notes:

Version:

Design

Phase:

PROTOTYPE

Tie On Depth:

0.0

66.00

Vertical Section:

8,619.4

Depth From (TVD) (ft)

0.0

8,400.0

-1,516.8

+N/-S (ft) 0.0

+E/-W (ft) 0.0

0.00

Direction (°)

197.00

0.00

0.00

Plan Sections Dogleg Build Turn Measured Vertical +N/-S +E/-W Rate Rate Rate TFO Depth Inclination **Azimuth** Depth (°/100ft) (°/100ft) (°/100ft) **Target** (ft) (ft) (°) (°) (ft) (ft) (°) 0.00 0.00 0.0 0.0 0.00 0.00 0.00 0.00 0.0 0.0 0.00 0.00 2,600.0 0.0 0.0 0.00 0.00 0.00 0.00 2,600.0 197.00 -70.8 -21.6 3.00 3.00 0.00 197.00 3,126.4 16.00 3,133.3

-463.7

Planning Report

Database:

EDM 2003.14 Single User Db

Company: Project:

Design:

Kerr McGee Oil & Gas Uintah Co., UT

Site:

Sec.12-T10S-R22E-NESE

Well: Wellbore: NBU 1022-12I

Wellbore #1 Plan #1 Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference:

Survey Calculation Method:

Well NBU 1022-12I

WELL @ 5226.0ft (Original Well Elev) WELL @ 5226.0ft (Original Well Elev)

True

Minimum Curvature

Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate (°/100ft)	Turn Rate (°/100ft)
(ft)	(°)	°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(/ look)	(710014)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
		0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0						
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0								0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
Green River									
1.396.0	0.00	0.00	1,396.0	0.0	0.0	0.0	0.00	0.00	0.00
.,								0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
			1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	
9 5/8" Casing					0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0		0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0			0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
		0.00	2,000.0						
Start Build 3.			0.000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0		2.6	3.00	3.00	0.00
2,700.0	3.00	197.00	2,700.0	-2.5	-0.8			3.00	0.00
2,800.0	6.00	197.00	2,799.6	-10.0	-3.1	10.5	3.00		
2,900.0	9.00	197.00	2,898.8	-22.5	-6.9	23.5	3.00	3.00	0.00
3,000.0	12.00	197.00	2,997.1	-39.9	-12.2	41.7	3.00	3.00	0.00
3,000.0	15.00	197.00	3,094.3	-62.2	-19.0	65.1	3.00	3.00	0.00
			5,551.5			•			
	hold at 3133.3 l		0.400.4	70.0	24.6	74.0	3.00	3.00	0.00
3,133.3	16.00	197.00	3,126.4	-70.8	-21.6		0.00	0.00	0.00
3,200.0	16.00	197.00	3,190.5	-88.3	-27.0	92.4	0.00	0.00	
3,300.0	16.00	197.00	3,286.6	-114.7	-35.1	119.9	0.00	0.00	0.00
	16.00	197.00	3,382.8	-141.0	-43.1	147.5	0.00	0.00	0.00
3,400.0	16.00	197.00	3,478.9	-167.4	-51.2	175.1	0.00	0.00	0.00
3,500.0			3,575.0	-107.4	-59.2	202.6	0.00	0.00	0.00
3,600.0	16.00	197.00		-220.1	-67.3	230.2	0.00	0.00	0.00
3,700.0	16.00	197.00	3,671.1	- 220. I	-07.3				
3,800.0	16.00	197.00	3,767.3	-246.5	-75.4	257.7	0.00	0.00	0.00
3,900.0	16.00	197.00	3,863.4	-272.8	-83.4	285.3	0.00	0.00	0.00
4,000.0	16.00	197.00	3,959.5	-299.2	-91.5	312.9	0.00	0.00	0.00
	16.00	197.00	4,055.6	-325.6	-99.5	340.4	0.00	0.00	0.00
4,100.0	10.00	191.00	4,000.0	020.0	22.0				
Wasatch	10.55	407.00	4 406 0	330.4	-103.8	354.9	0.00	0.00	0.00
4,152.4	16.00	197.00	4,106.0	-339.4					
4,200.0	16.00	197.00	4,151.8	-351.9	-107.6	368.0	0.00	0.00	0.00
4,300.0	16.00	197.00	4,247.9	-378.3	-115.7	395.6	0.00	0.00	0.00
4,400.0	16.00	197.00	4,344.0	-404.6	-123.7	423.1	0.00	0.00	0.00

Planning Report

Database:

EDM 2003.14 Single User Db

Company: Project: Kerr McGee Oil & Gas Uintah Co., UT

Site:

Sec.12-T10S-R22E-NESE

Well: Wellbore: Design: NBU 1022-12i

NBU 1022-12 Wellbore #1 Plan #1 Local Co-ordinate Reference:

TVD Reference:

MD Reference: North Reference:

Survey Calculation Method:

Well NBU 1022-12I

WELL @ 5226.0ft (Original Well Elev) WELL @ 5226.0ft (Original Well Elev)

True

Minimum Curvature

Measured			Vertical			Vertical	Dogleg	Build	Turn
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Section	Rate	Rate	Rate
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)
4.500.0	16.00	197.00	4,440.2	-431.0	-131.8	450.7	0.00	0.00	0.00
4,600.0	16.00	197.00	4,536.3	-457.4	-139.8	478.3	0.00	0.00	0.00
·		197.00	4,632.4	-483.7	-147.9	505.8	0.00	0.00	0.00
4,700.0	16.00 16.00	197.00	4,728.5	-510.1	-155.9	533.4	0.00	0.00	0.00
4,800.0 4,900.0	16.00	197.00	4,824.7	-536.4	-164.0	560.9	0.00	0.00	0.00
5,000.0	16.00	197.00	4,920.8	-562.8	-172.1	588.5	0.00	0.00	0.00
5,000.0	16.00	197.00	5,016.9	-589.2	-180.1	616.1	0.00	0.00	0.00
		197.00	5,113.0	-615.5	-188.2	643.6	0.00	0.00	0.00
5,200.0 5,300.0	16.00 16.00	197.00	5,113.0	-615.5 -641.9	-196.2	671.2	0.00	0.00	0.00
5,300.0 5,400.0	16.00	197.00	5,305.3	-668.2	-204.3	698.8	0.00	0.00	0.00
5,500.0	16.00	197.00	5,401.4	-694.6	-212.4	726.3	0.00	0.00	0.00
5,600.0	16.00	197.00	5,497.5	-720.9	-220.4	753.9	0.00	0.00	0.00
		197.00	5,593.7	-747.3	-228.5	781.5	0.00	0.00	0.00
5,700.0	16.00 16.00	197.00 197.00	5,593.7 5,689.8	-747.3 -773.7	-226.5	809.0	0.00	0.00	0.00
5,800.0	16.00	197.00	5,785.9	-800.0	-244.6	836.6	0.00	0.00	0.00
5,900.0	16.00	197.00	5,882.0	-826.4	-252.7	864.1	0.00	0.00	0.00
6,000.0 6,100.0	16.00	197.00	5,978.2	-852.7	-260.7	891.7	0.00	0.00	0.00
			6,074.3	-879.1	-268.8	919.3	0.00	0.00	0.00
6,200.0	16.00	197.00	6,074.3 6,170.4	-905.5	-276.8	946.8	0.00	0.00	0.00
6,300.0	16.00	197.00	6,170.4	-903.3	-270.0	540.0	0.00	0.00	
Mesaverde		407.00	0.000.0	024.7	-284.8	974.2	0.00	0.00	0.00
6,399.4	16.00	197.00	6,266.0	-931.7	-204.0 -284.9	974.2 974.4	0.00	0.00	0.00
6,400.0	16.00	197.00	6,266.6	-931.8	-204.9 -292.9	1,002.0	0.00	0.00	0.00
6,500.0	16.00	197.00	6,362.7	-958.2					
6,600.0	16.00	197.00	6,458.8	-984.5	-301.0	1,029.5	0.00	0.00	0.00
6,700.0	16.00	197.00	6,554.9	-1,010.9	-309.1	1,057.1	0.00	0.00	0.00 0.00
6,800.0	16.00	197.00	6,651.1	-1,037.3	-317.1	1,084.7	0.00	0.00 0.00	0.00
6,900.0	16.00	197.00	6,747.2	-1,063.6	-325.2	1,112.2	0.00		0.00
7,000.0	16.00	197.00	6,843.3	-1,090.0	-333.2	1,139.8	0.00	0.00	
7,100.0	16.00	197.00	6,939.4	-1,116.3	-341.3	1,167.3	0.00	0.00	0.00
7,200.0	16.00	197.00	7,035.6	-1,142.7	-349.4	1,194.9	0.00	0.00	0.00
7,300.0	16.00	197.00	7,131.7	-1,169.1	-357.4	1,222.5	0.00	0.00	0.00
7,400.0	16.00	197.00	7,227.8	-1,195.4	-365.5	1,250.0	0.00	0.00	0.00
7,500.0	16.00	197.00	7,323.9	-1,221.8	-373.5	1,277.6	0.00	0.00	0.00
7,600.0	16.00	197.00	7,420.1	-1,248.1	-381.6	1,305.2	0.00	0.00	0.00
7,700.0	16.00	197.00	7,516.2	-1,274.5	-389.7	1,332.7	0.00	0.00	0.00
7,800.0	16.00	197.00	7,612.3	-1,300.9	-397.7	1,360.3	0.00	0.00	0.00
7,900.0	16.00	197.00	7,708.4	-1,327.2	-405.8	1,387.9	0.00	0.00	0.00
8,000.0	16.00	197.00	7,804.6	-1,353.6	-413.8	1,415.4	0.00	0.00	0.00
8,100.0	16.00	197.00	7,900.7	-1,379.9	-421.9	1,443.0	0.00	0.00	0.00
8,200.0	16.00	197.00	7,996.8	-1,406.3	-429.9	1,470.5	0.00	0.00	0.00
8,300.0	16.00	197.00	8,092.9	-1,432.7	-438.0	1,498.1	0.00	0.00	0.00
8,400.0	16.00	197.00	8,189.1	-1,459.0	-446.1	1,525.7	0.00	0.00	0.00
8,500.0	16.00	197.00	8,285.2	-1,485.4	-454.1	1,553.2	0.00	0.00	0.00
8,600.0	16.00	197.00	8,381.3	-1,511.7	-462.2	1,580.8	0.00	0.00	0.00
TD at 8619.4		,	-, ··-						
8,619.4	16.00	197.00	8,400.0	-1,516.8	-463.7	1,586.2	0.00	0.00	0.00

Planning Report

Database:

EDM 2003.14 Single User Db

2,000.0 9 5/8" Casing

Company: Project:

Kerr McGee Oil & Gas

Site:

Uintah Co., UT Sec.12-T10S-R22E-NESE

Well:

NBU 1022-12I

Wellbore: Design:

Weilbore #1 Plan #1

2,000.0

Local Co-ordinate Reference:

TVD Reference:

MD Reference:

Survey Calculation Method:

North Reference:

Well NBU 1022-12I

WELL @ 5226.0ft (Original Well Elev) WELL @ 5226.0ft (Original Well Elev)

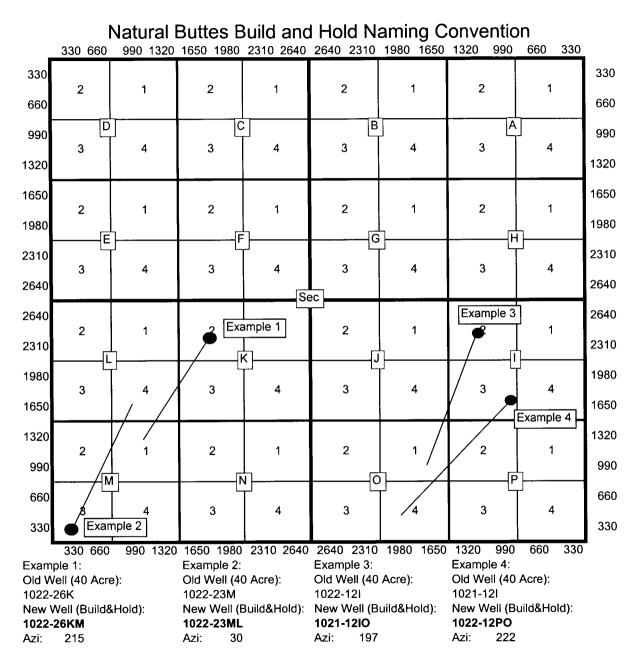
True

Minimum Curvature

Casing Points									
	Measured	Vertical					Casing	Hole	
	Depth	Depth					Diameter	Diameter	
	(ft)	(ft)			Name		(")	· (")	
	2 000 0	2 000 0	9 5/8" Casing				9-5/8	12-1/4	

Formations								
	Measured Depth (ft)	Vertical Depth (ft)		Name	* 1 di	ithology	Dip (°)	Dip Direction (°)
	1,396.0	1,396.0	Green River				0.00	
	4,152.4	4,106.0	Wasatch				0.00	
	6,399.4	6,266.0	Mesaverde				0.00	

Plan Annotations				
Measured	Vertical	Local Coo	ordinates	Comment
Depth	Depth	+N/-S	+E/-W	
(ft)	(ft)	(ft)	(ft)	
2,600.0	2,600.0	0.0	0.0	Start Build 3.00
3,133.3	3,126.4	-70.8	-21.6	Start 5486.1 hold at 3133.3 MD
8,619.4	8,400.0	-1,516.8	-463.7	TD at 8619.4





Kerr-McGee Oil & Gas Onshore LP

1368 South 1200 East Vernal Utah 84078 Telephone: 435-781-0166 Fax: 435-781-7095

May 16, 2006

Ms. Diana Whitney Division of Oil, Gas and Mining P.O. Box 145801 Salt Lake City, UT 84114-6100

RE: Directional Drilling Letter R649-3-11

NBU 1022-12IO
T 10 S-R 21 E
Section 12: SW/NE/SE
2297' FSL 1046'FEL (surface)
781'FSL, 1509' FWL (bottomhole)
Uintah County, Utah

Dear Ms. Whitney:

Pursuant to the filing of Kerr-McGee Oil & Gas Onshore LP's (Kerr-McGee) Application for Permit to Drill regarding the above referenced well on May 16, 2006, we are herby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

- NBU 1022-12I is located within the proposed Natural Buttes Unit Area.
- Kerr-McGee is permitting this well as a directional well in order to minimize surface disturbance.
 Locating the well at the surface location and directionally drilling from this location, Kerr-McGee will be able to utilize the existing road and pipelines in the area.
- Furthermore, Kerr-McGee certifies that it is the sole working interest owner within 460 feet of the entire directional well bore and the west one-half of the section (State leases ST UO-01197-AST.

Therefore, based on the above stated information Kerr-McGee Oil & Gas Onshore LP requests the permit to be granted pursuant to R649-3-11.

Sincerely,

Sheila Upchego
Regulatory Analyst

RECEIVED MAY 1 9 2006

	SIAIE OF UIAH	DOEC			, 5, 5	
	DEPARTMENT OF NATURAL RESOU! DIVISION OF OIL, GAS AND MI				E DESIGNATION AND SERIAL NUMBER:	
SUNDRY	NOTICES AND REPORTS	S ON WEL	LS	6. IF IN	DIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for proposals to drill r	new wells, significantly deepen existing wells below cur aterals. Use APPLICATION FOR PERMIT TO DRILL I	rrent bottom-hole dep form for such proposa	th, reenter plugged wells, or to ls.	7. UNIT OF CA AGREEMENT NAME: UNIT #891008900A		
1. TYPE OF WELL OIL WELL				8. WELL NAME and NUMBER: NBU 1022-12I		
2. NAME OF OPERATOR: KERR McGEE OIL & GAS	ONSHORE LP			•,	IUMBER: 1736402	
3. ADDRESS OF OPERATOR:			PHONE NUMBER:		D AND POOL, OR WILDCAT:	
1368 S 1200 E	Y VERNAL STATE UT ZIE	,84078	(435) 781-7024	NAT	URAL BUTTES	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2297'	-SI 1046'FFI			COUNT	c UINTAH	
FOOTAGES AT SURFACE. 2207 I	OL, 10401 LL					
QTR/QTR, SECTION, TOWNSHIP, RAN	IGE, MERIDIAN: NESE 12 10S 2	22E		STATE:	HATU	
11. CHECK APP	ROPRIATE BOXES TO INDICAT	TE NATURE	OF NOTICE, REPOR	RT, OF	R OTHER DATA	
TYPE OF SUBMISSION		Т	YPE OF ACTION			
	ACIDIZE	DEEPEN			REPERFORATE CURRENT FORMATION	
NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRACTURE	TREAT		SIDETRACK TO REPAIR WELL	
Approximate date work will start:	CASING REPAIR	NEW CONS	TRUCTION		TEMPORARILY ABANDON	
	CHANGE TO PREVIOUS PLANS	OPERATOR	CHANGE	\Box	TUBING REPAIR	
		PLUG AND			VENT OR FLARE	
	CHANGE TUBING					
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BAC	<		WATER DISPOSAL	
Date of work completion:	CHANGE WELL STATUS	PRODUCTI	ON (START/RESUME)		WATER SHUT-OFF	
Date of Work completion.	COMMINGLE PRODUCING FORMATIONS	RECLAMAT	ION OF WELL SITE	\checkmark	OTHER: SET SURFACE CSG	
	CONVERT WELL TYPE	RECOMPLE	TE - DIFFERENT FORMATION			
12. DESCRIBE PROPOSED OR C	OMPLETED OPERATIONS. Clearly show all	pertinent details in	cluding dates, depths, volume	es, etc.		
SURFACE CSG. LEAD C	RIG ON 05/28/2006. DRILLED 1 MT W/300 SX PREM CLASS G 6 1.15 YIELD DOWN BACKSIDE TOP OUT W/175 SX @15.8 PP0	@15.8 PPG :. 2ND TOP (1.15 YIELD. NO RET OUT W/125 SX CLAS	URNS SS G @	S TO PIT. TOP OUT W/125 2)15.8 PPG 1.15 YIELD	
WORT						
WORT						
		····				
NAME (PLEASE PRINT) SHEILA U	JPCHEGO		REGUALTORY A	NALY	ST	

(This space for State use only)

RECEIVED JUN 1 2 2006

DATE 6/5/2006

STATE OF UTAH TMENT OF NATURAL RESOURCES

DEPARTMENT OF NATURAL RESOURCES 5. LEASE DESIGNATION AND SERIAL NUMBER: DIVISION OF OIL, GAS AND MINING STUO-01197-AST 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: SUNDRY NOTICES AND REPORTS ON WELLS 7. UNIT or CA AGREEMENT NAME: Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. UNIT # 891008900A 8. WELL NAME and NUMBER: 1. TYPE OF WELL GAS WELL 🗸 OIL WELL OTHER NBU 1022-12I 9. API NUMBER: 2. NAME OF OPERATOR: 4304736402 KERR McGEE OIL AND GAS ONSHORE LP PHONE NUMBER: 10. FIELD AND POOL, OR WILDCAT: 3 ADDRESS OF OPERATOR **NATURAL BUTTES** CITY VERNAL STATE UT 715 84078 (435) 781-7003 1368 SOUTH 1200 EAST 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2297' FSL 1046' FEL COUNTY: UINTAH QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 12 10S 22E STATE: **UTAH** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 11 TYPE OF ACTION TYPE OF SUBMISSION REPERFORATE CURRENT FORMATION ACIDIZE DEEPEN NOTICE OF INTENT SIDETRACK TO REPAIR WELL ALTER CASING FRACTURE TREAT (Submit in Duplicate) NEW CONSTRUCTION TEMPORARILY ABANDON Approximate date work will start: CASING REPAIR OPERATOR CHANGE TUBING REPAIR CHANGE TO PREVIOUS PLANS VENT OR FLARE CHANGE TUBING PLUG AND ABANDON WATER DISPOSAL SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK (Submit Original Form Only) WATER SHUT-OFF PRODUCTION (START/RESUME) CHANGE WELL STATUS Date of work completion: OTHER: FINAL DRILLING RECLAMATION OF WELL SITE COMMINGLE PRODUCING FORMATIONS **OPERATIONS** CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. FINISHED DRILLING TO 8635'. RAN 4 1/2" 11/6# I-80 PRODUCTION CSG. LEAD CMT W/459 SX PREM LITE II @ 11.5 PPG 2.77 YIELD TALIED CMT W/1477 SK 50/50 POZ @ 14.3 PPG 1.31 YIELD. FLOATS HELD. SET SLIPS 85K, ND, CUTOFF. RELEASED RIG ON 5/28/06 @ 10:00 PM. REGULATORY CLERK RAMEY HOOPES NAME (PLEASE PRINT 6/30/2006 SIGNATURE (This space for State use only)

RECEIVED

JUL 2 5 2006

STATE OF UTAH	FORM 9		
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-01197-AST		
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME: UNIT #891008900A		
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: NBU 1022-121		
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP	9. API NUMBER: 4304736402		
3. ADDRESS OF OPERATOR: PHONE NUMBER: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078 (435) 781-7024	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2297'FSL, 1046'FEL	COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 12 10S 22E	STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA		
TYPE OF SUBMISSION TYPE OF ACTION			
NOTICE OF INTENT (Submit in Duplicate) ACIDIZE DEEPEN ACIDIZE FRACTURE TREAT	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL		
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TEMPORARILY ABANDON TUBING REPAIR		
CHANGE TUBING PLUG AND ABANDON SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: CHANGE WELL NAME PLUG BACK CHANGE WELL STATUS PRODUCTION (START/RESUME) COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	 VENT OR FLARE WATER DISPOSAL WATER SHUT-OFF ✓ OTHER: DIRECTIONAL SURVEY REPORT 		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volum THE OPERATOR HAS PERFORMED AN DIRECTIONAL SURVEY FOR THE SUBJECT WATTACHED IS THE DIRECTIONAL SURVERY REPORT WHICH INCLUDES THE FOLLOW REPORT AND PLOT AND SURVEY REPORT COPIES AND PLOTS.	VELL LOCATION.		
NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY	ANALYST		

(This space for State use only)

RECEIVED

JUL 2 5 2006

DIRECTIONAL SURVEY REPORT

KERR-MCGEE OIL & GAS NBU 1022 - 12I UINTAH COUNTY, UT

PREPARED BY: Bret Wolford

Kerr-McGee Oil & Gas 1368 South 1200 East Vernal, UT 84078

Attn: Brad Laney

RE:

Kerr-McGee Oil & Gas

NBU 1022 - 12l Uintah Co., UT

RIG:

Ensign 82

FILENAME: 101005572-WY-WY

Dear Sir:

We hereby certify that the enclosed Original Field Survey Data contained in this report represents to the best of our knowledge, a true and accurate survey of the well at the time the survey was ran.

SURVEY DATA

- 1 Original survey report and plot
- 2 Survey report copies and plots

We appreciate the opportunity to work with you and we look forward to your business support. If you have any questions, I can be reached at (307) 265-3145.

Sincerely,

Bret Wolford Operations Coordinator PathFinder Energy Services

DIRECTIONAL SURVEY COMPANY REPORT:

- 1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
- 2. NAME OF PERSON(S) PERFORMING SURVEY:
 - A. George Hail

C.

- B. Seth Linaman
- 3. POSITION OF SAID PERSON(S): (A, & B) SURVEYORS (FIELD ENGINEERS).
- 4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 06/08/06 TO 06/22/06
- 5. STATE IN WHICH SURVEY WAS PERFORMED: ONSHORE, UTAH
- 6. LOCATION OF WELL: UINTAH CO., UT
- 7. TYPE OF SURVEY(S) PERFORMED: MWD
- 8. COMPLETE IDENTIFICATION OF WELL:

Kerr-McGee Oil & Gas

NBU 1022 - 12

Uintah Co., UT

Rig:

Ensign 82

9. SURVEY CERTIFIED FROM: 2,301 TO 8,590 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 1,556.67 FEET ON A BEARING OF 196.49 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT PROJECTED MEASURED DEPTH OF 8,635 FEET, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

RRET WOLFORD

OPERATIONS COORDINATOR

Pathfinder

BHL Report

Page 1
Job No: 101005572-WY-WY

Date: 6/28/2006 Time: 3:58 pm

Wellpath ID: 1022-12I Date Created: 6/7/2006 Last Revision: 6/22/2006

Calculated using the Minimum Curvarture Method Computed using PDS VER2.2.6 Vertical Section Plane: 197.00 deg.

Survey Reference: WELLHEAD Vertical Section Reference: WELLHEAD Closure Reference: WELLHEAD

TVD Reference: WELLHEAD

KERR-MCGEE OIL & GAS

NBU 1022-12I UINTAH CO., UT. RIG: ENSIGN 82

DECL: 11.65° EAST TO TRUE KBH: 14' TO GROUND LEVEL

PES OFFICE SUPERVISOR:
RICH ARNOLD
PES FEILD ENGINEER:
GEORGE HALL/SETH LINAMAN
PES DIRECTIONAL DRILLERS:

JESSE SUEK/JOHN GABRIELSON

8635.00 (ft) Measured Depth (deg) 9.32 Inclination (deg) 192.97 **Azimuth** (ft) 8424.74 True Vertical Depth 1556.61 (ft) Vertical Section Rectangular Offsets

North/South 1492.64 S (ft)
East/West 441.87W (ft)
Closure Dist & Dir 1556.67@ 196.49 (deg)

Pathfinder

Survey Report

Page 1 Job No: 101005572-WY-WY Date: 6/28/2006 Time: 3:58 pm

Wellpath ID: 1022-121 Date Created: 6/7/2006 Last Revision: 6/22/2006

Calculated using the Minimum Curvarture Method Computed using PDS VER2.2.6 Vertical Section Plane: 197.00 deg.

Survey Reference: WELLHEAD Vertical Section Reference: WELLHEAD Closure Reference: WELLHEAD

TVD Reference: WELLHEAD

KERR-MCGEE OIL & GAS

NBU 1022-12I UINTAH CO., UT. RIG: ENSIGN 82

DECL: 11.65° EAST TO TRUE KBH: 14' TO GROUND LEVEL

PES OFFICE SUPERVISOR:
RICH ARNOLD
PES FEILD ENGINEER:
GEORGE HALL/SETH LINAMAN
PES DIRECTIONAL DRILLERS:
JESSE SUEK/JOHN GABRIELSON

Measured	Incl	Drift	TVD	Course	Vertical	ТОТ		Closure Dist. Dir.	DLS
Depth		Dir.		Length	Section	Rectangular			(dg/100ft)
(ft)	(deg.)	(deg.)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft) (deg.)	(ag/ roon)
TIE IN							2 22 5	0.00@ 0.00	0.00
0.00	00.0	0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00@ 0.00	0.00
THE FOLL	OWING.	ARE PATH	IFINDER M\	ND SURVEY	'S			47 07@ 440 20	0.04
2301.00	0.88	119.32	2300.91	2301.00	3.77	8.65 S	15.41 E	17.67@119.32	0.48
2396.00	1.23	135.67	2395.89	95.00	4.42	9.74 S	16.76 E	19.38@ 120.17	0.40
2490.00	1.14	154.56	2489.87	94.00	5.59	11.31 S	17.86 E	21.14@122.33	0.42
2554.00	2.02	172.67	2553.85	64.00	7.09	13.00 S	18.28 E	22.43@125.42	1.56
2617.00	3.43	177.94	2616.78	63.00	9.88	15.98 S	18.49 E	24.44@130.84	2.27
0004.00	4.40	400.04	2680.62	64.00	14.15	20.38 S	18.26 E	27.36@138.14	1.90
2681.00	4.48	186.91		64.00	19.59	25.78 S	17.33 E	31.07@146.09	1.54
2745.00	5.36	192.09	2744.39	64.00	25.90	31.91 S	15.78 E	35.60@153.69	1.15
2809.00	5.98	196.14	2808.07	04.00	25.90	01.010	10.70 =		
2872.00	7,56	194.99	2870.63	63.00	33.33	39.06 S	13.79 E	41.43@160.55	2.52
2936.00		195.17	2934.02	64.00	42.13	47.57 S	11.50 E	48.94@166.41	1.11
2999.00		196.31	2996.31	63.00	51.57	56.66 S	8.93 E	57.36@171.04	1.14
	40.00	407.07	3059.35	64.00	62.61	67.23 S	5.73 E	67,47@175.13	3.03
3063.00		197.37		64.00	75.86	79.74 S	1.37 E	79.75@179.01	3.47
3127.00		200.71	3121.96	64.00	90.44	93.46 S	3.64W	93.53@ 182.23	0.71
3191.00	13.37	199.48	3184.27	04.00	50.44	30.40 0	5.5 ii v		
2054.00	14.77	196.22	3245.38	63.00	105.75	108.03 S	8.32W	108.35@184.40	2.55
3254.00		196.22	3307.14	64.00	122.53	124.15 S	13.02W	124.83@185.99	1.38
3318.00			3368.74	64.00	139.85	141.00 S	17.13W	142.04@186.93	2.21
3382.00	15.83	191.13	3300.74	04.00	100.00	111.000		_	
3445.00	15.56	189.19	3429.39	63.00	156.77	157.78 S	20.14W	159.06@187.27	0.94
3509.00		193.24	3490.98	64.00	174.08	174.84 S	23.53W	176.41@ 187.66	1.85
3572.00		198.33	3551.52	63.00	191.52	191.62 S	28.28W	193.70@188.39	2.26
331 Z.00	10.10	100.00	00002		. –			 	
3636.00	15.39	199.92	3613.10	64.00	208.91	208.07 S	33.98W	210.83@189.27	1.41
3700.00		198.86	3674.70	64.00	226.26	224.45 S	39.7 4W	227.94@190.04	1.18

Pathfinder Survey Report

Page 2 Date: 6/28/2006 Wellpath ID: 1022-12I

Measured	Incl	Drift	TVD	Course	Vertical	TO.	TAL	Closure	DLS
Depth	11101	Dir.		Length	Section	Rectangular	r Offsets	Dist. Dir.	
(ft)	(deg.)	(deg.)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft) (deg.)	(dg/100ft)
3763.00	16.71	198.33	3735.14	63.00	244.04	241.31 S	45.41W	245.54@190.66	1.01
3827.00	16.97	198.95	3796.39	64.00	262.57	258.87 S	51.33W	263.91@191.22	0.49
3891.00	16.97	199.56	3857.61	64.00	281.24	276.51 S	57.49W	282.42@191.75	0.28
3954.00	16.36	198.68	3917.96	63.00	299.29	293.58 S	63.41W	300.35@192.19	1.05
4018.00	15.92	198.77	3979.44	64.00	317.07	310.43 S	69.12W	318.03@192.55	0.69
4082.00	15.74	197.72	4041.01	64.00	334.53	327.01 S	74.59W	335.41@192.85	0.53
4145.00	16.71	198.33	4101.50	63.00	352.13	343.74 S	80.04W	352.94@193.11	1.56
4209.00	17.06	199.39	4162.74	64.00	370.70	361.33 S	86.05W	371.44@ 193.40	0.73
4273.00	16.09	198.33	4224.08	64.00	388.95	378.61 S	91.96W	389.62@193.65	1.59
4336,00	16.18	199.12	4284.60	63.00	406.45	395.19 S	97.58W	407.06@ 193.87	0.38
4400.00	16.36	200.27	4 3 46.04	64.00	424.36	~412.07 S	103.62W	424.90@194.12	0.58
4462.00	15.65	200.71	4405.63	62.00	441.42	428.08 S	109.60W	441.89@194.36	1.16
4526.00	15.74	199.83	4467.25	64.00	458.71	444.32 S	115.60W	459.12@194.58	0.40
4589.00	16.53	200.27	4 5 27.77	6 3. 00	476.19	460.77 S	121.60W	476.55@ 194.78	1.27
4653.00	17.94	201.76	4588.89	64.00	495.10	478.47 S	128.41W	495.40@195.02	2.31
4747.00	17.94	203.61	4649.78	64.00	514.72	496.65 S	136.01W	514.94@195.32	0.89
4717.00 4781.00		203.96	4710.71	64.00	534.15	514.56 S	143.91W	534.30@195.62	0.45
4844.00	17.41	203.90	4770.79	63.00	553.03	532.02 S	151.35W	553.13@195.88	0.94
4908.00	16.88	200.53	4831.94	64.00	571.84	549.59 S	158.23W	571.91@196.06	1.13
4970.00	16.53	197.89	4891.33	62.00	589.64	566.41 S	164.09W	589.70@196.16	1.35
5034.00		197.10	4952.75	64.00	607.61	583.55 S	169.50W	607.67@196.20	0.77
5097.00	15.30	197.01	5013.40	63.00	624.66	599.85 S	174.50W	624.71@196.22	1.25
5161.00		196.66	5075.17	64.00	641.40	615.88 S	179.35W	641.46@196.24	0.43
5224.00		198.42	5136.01	63.00	657.75	631.46 S	184.27W	657.80@196.27	0.72
5303.00	15.30	198.07	5212.26	79,00	678.42	651.10 S	190.75W	678.46@196.33	0.35
5366.00		198.33	5273.01	63.00	695.08	666.94 S	195.95W	695.13@196.37	0.18
5430.00		197.54	5334.71	64.00	712.11	683.14 S	201.20W	712.15@ 196.41	0.36
5494.00	15.65	198.77	5396.36	64.00	729.28	699.46 S	206.55W	729.32@196.45	0.58
5558.00		198.95	5458.01	64.00	746.45	715.71 S	212.10W	746.48@196.51	0.28
5621.00		197.98	5518.71	63.00	763.30	731.70 S	217.4 4W	763.32@ 196.55	0.43
5685.00	16.09	194.91	5580.29	64.00	780.74	748.43 S	222.37W	780.77@ 196.55	
5749.00		196.05	5641.59	64.00	799.13	766.16 S		799.16@196.52	
5813.00		196.75	5702.67	64.00	818.23	784.48 S	232:06W	818.26@196.52	0.36
5876.00	17.24	196.31	5762.81	63.00	836.99	802.47 S	238.02W	837.02@196.52	0.34
5940.00		195.78	5824.01	64.00	855.72	820.47 S	243.20W	855.76@ 196.51	0.73
6004.00		196.05	5885.35	64.00	873.98	838.03 S	248.20W	874.02@ 196.50	0.70
6067.00	16.00	195.70	5945.85	63.00	891.53	854.92 S	253.01W	891.57@196.49	
6131.00		195.70	6007.43	64.00	908.98	871.72 S	257.73W	909.02@196.47	
6195.00		195.78	6069.11	64.00	926.06	888.16 S	262.36W	926.10@196.46	0.55
6258.00	15.04	196.14	6129.91	63.00	942.54	904.01 S	266.89W	942.58@ 196.45	
6322.00	14.95	196.05	6191.73	64.00	959.10	919.92 S	271.48W	959.14@196.44	
6386.00		198.68	6253.45	64.00	976.03	936.07 S	276.55W	976.07@196.46	1.64
6449.00	16.27	199.21	6314.01	63.00	993.39	952.50 S	282.19W	993.42@196.50	
6513.00		199.04	6375,54	64.00	1010.97	969.13 S	287.95W	1011.00@196.55	0.97
22.0.50									

Pathfinder Survey Report

Page 3 Date: 6/28/2006 Wellpath ID: 1022-12I

						J			
Magazzad	Incl	Drift	TVD	Course	Vertical		TAL	Closure	DLS
Measured	HICI	Dir.	140	Length	Section	Rectangula	r Offsets	Dist. Dir.	(4-(4008)
Depth	(dog \	(deg.)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft) (deg.)	(dg/100ft)
(ft)	(deg.)	(deg.)	(14)	(7	• • •				0.00
0577.00	15.04	198.42	6437.26	64.00	1027.90	985.17 S	293.39W	1027.93@196.58	0.99
6577.00			6498.15	63.00	1044.05	1000.43 S	298.69W	1044.07@196.62	0.81
6640.00	14.68	199.83	6560.00	64.00	1060.48	1015.93 S	304.23W	1060.50@196.67	0.70
6704.00	15.12	199.56	6560.00	0-7.00	1000.10	, , , , , , , , ,			
		222.25	0000 70	63.00	1077.27	1031.73 S	309.97W	1077.28@196.72	1.18
6767.00	15.83	200.35	6620.72	64.00	1095.13	1048.59 S	315.91W	1095.14@196.77	1.47
6831.00	16.62	198.51	6682.17		1113.38	1065.89 S	321.75W	1113.39@196.80	0.18
6895.00	16.53	198.77	6743.51	64.00	1113.30	1000.00			
				00.00	1131.06	1082.58 S	327.60W	1131.07@196.84	0.87
6958.00	16.09	199.92	6803.97	63.00		1099.04-S	333.41W	1148.50@196.88	0.93
7022.00	15.56	198.95	6865.55	64.00	1148.50	1115.28 S	338.69W	1165.57@196.89	0.85
7086.00	15.39	197.01	6927.23	64.00	11 6 5.57	1115.26 5	330.08**	1100.016	
						4404 E4 C	343.42W	1182.47@196.88	0.84
7149.00	15.74	195.52	6987.92	63.00	1182.47	1131.51 S	347.97W	1200.16@196.85	1.10
7213.00		194.29	7049.42	64.00	1200.15	1148.61 S		1218.08@ 196.82	0.51
7277.00		195.26	7110.86	64.00	1218.07	1165.94·S	352.5 4W	1210.00@ 190.02	0.01
								1235.58@196.81	0.67
7340.00	16.09	196.75	7171.38	63.00	1235.57	1182.77 S	** 3 57.36W		1.01
7404.00		197.37	7232.77	64.00	1253.64	1200.05 S			0.21
	16.62		7293.13	63.00	1271.71	1217.27 S	368.11W	1271.71@196.83	0.21
7407.00	10.02								1.12
7530.00	15.92	198.07	7353.60	63.00	1289.36	1234.07 S	373.54W	1289.36@196.84	1.12
7594. 0 0		198.42	7415.04	64.00	1307.28	1251.10 S	379.15W	1307.29@ 196.86	
7658.00		198.77	7 476 .34	64.00	1325.68	1268.54 S	385.02W	1325.68@196.88	0.32
/656.00	10.00	4 8	1470.0.	•		w to			4 - 4
7704.00	15.83	198.60	7536.80	63.00	1343.37	1285.30 S	390.69W	1343.37@196.91	
7721.00		197,28	7598.53	64.00	1360.25	1301.37 S	395.90W	1360.25@196.92	
7785.00			7660.31	64.00	1376.95	1317.37 S	400.65W	1376.95@196.92	1.25
7849.00	15.48	195.87	7000.31	04.00	1010.00	1011101			
		404.04	7700 OF	63.00	1394.03	1333.86 S	405.15W	1394.03@196.90	
7912.00			7720.95	64.00	1412.13	1351.39 S	409.71W	1412.13@196.87	1.38
7976.00			7782.33		1429.80	1368.54 S	414.03W	1429.80@196.83	
8039.00	15.74	193.67	7842.80	63.00	1429.00	1300.07 0	414.0011	, ,	
				04.00	1446.60	1384.94 S	417.85W	1446.61@196.79	1.59
8103.00			7904.54	64.00		1429.43 S	427.74W	1492.06@196.66	
8294.00	12.84		8090.02	191.00	1492.03		436.16W	1530.91@196.55	
8484.00	10.82	192.44	8275.97	190.00	1530.86	1467.46 S	430. TOVV	1000.0	
					.=	4405 54 5	440.23W	1549.40@196.51	1.42
8590.00	9.32	192.97	8380.34	106.00	1549.34	1485.54 S	44 U.∠3 V V	10-10-1000 100.01	
STRAIGH	IT LINE	PROJECTI	ON TO BIT				444.0784	1556.67@196.49	0.00
8635.00			8424.74	45.00	1556.61	1492.64 S	441.87W	1000.07(@ 190.48	, 0.00
5500.00									

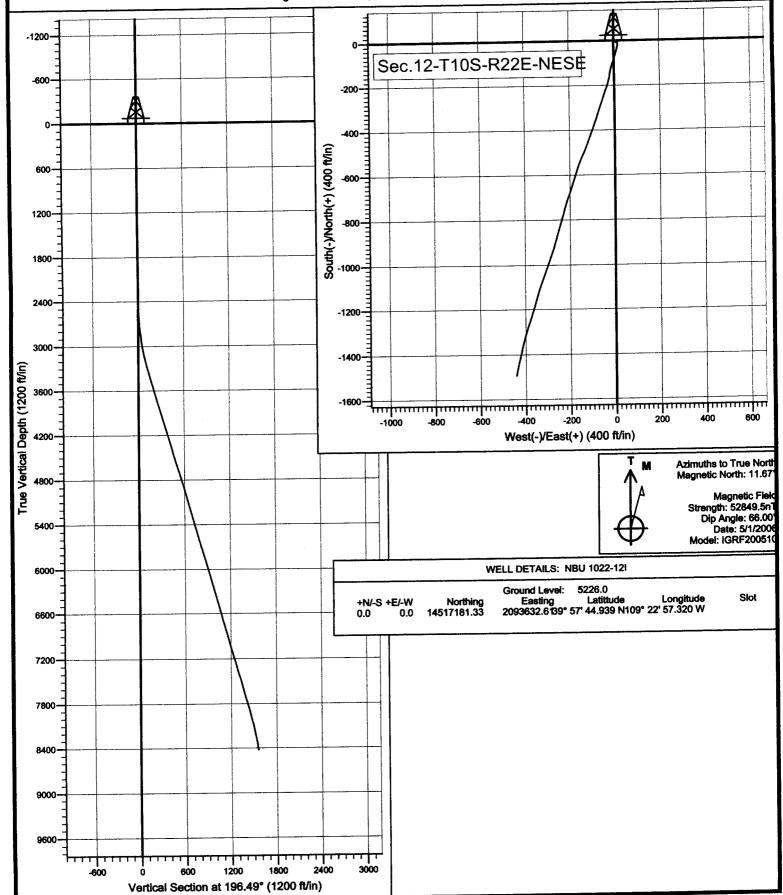
Company: Kerr McGee Oil & Gas

Project: Uintah Co., UT

Site: Sec.12-T10S-R22E-NESE

Well: NBU 1022-12l Wellbore: Wellbore #1 PATH FINDER
ENERGY SERVICES

Design: Wellbore #1 (NBU 1022-12I/Wellbore #1)



DEPARTMENT OF NATURAL RESOURCES	THE RESIDUATION AND SERVE AND THE		
DIVIDION OF OIL, OAD AND MINNING	5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-01197-AST		
SUNDRY NOTICES AND REPORTS ON WELLS	. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	. UNIT of CA AGREEMENT NAME: UNIT #891008900A		
1. TYPE OF WELL OU WELL OF CAS WELL OTHER	8. WELL NAME and NUMBER: NBU 1022-12I		
KERR McGEE OIL & GAS ONSHORE LP	API NUMBER: 4304736402		
	D. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2297'FSL, 1046'FEL	OUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 12 10S 22E S	TATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT	, OR OTHER DATA		
TYPE OF SUBMISSION TYPE OF ACTION			
NOTICE OF INTENT	REPERFORATE CURRENT FORMATION		
(Submit in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL		
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON		
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR		
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE		
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK	WATER DISPOSAL		
(Submit Original Form Only) CHANGE WELL STATUS PRODUCTION (START/RESUME)	WATER SHUT-OFF		
Date of work completion: COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER: PRODUCTION		
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	START-UP		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 07/27/2006 AT 10:00 PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.			

(This space for State use only)

RECEIVED AUG 2 1 2006

TITLE REGULATORY ANALYST

DATE 8/2/2006

KERR MCGEE OIL & GAS ONSHORE, LP

CHRONOLOGICAL HISTORY

NBU 1022-12I

	SPUD	Surface Casing Air Rig	g Activity	Y		Status
03/20/06			Build Location ,	20% complete		Caza 82
03/21/06			Build Location ,	30% complete		Caza 82
03/22/06			Build Location ,	40% complete		Caza 82
03/23/06			Build Location,	50% complete		Caza 82
03/24/06			Build Location ,	60% complete		Caza 82
03/27/06			Build Location ,	65% complete		Caza 82
03/28/06			Build Location,	70% complete		Caza 82
03/29/06			Build Location,	75% complete		Caza 82
03/30/06			Build Location,	80% complete		Caza 82
03/31/06			Build Location,	85% complete		Caza 82
04/03/06			Build Location,	90% complete		Caza 82
04/04/06			Build Location,	90% complete		Caza 82
04/05/06			Build Location ,	95% complete		Caza 82
04/06/06			Build Location ,	95% complete		Caza 82
04/07/06			Location comple	ete, Bldg		Caza 82
04/10/06	04/07/06		Set conductor, V	WOAR		Caza 82
06/07/06	TD: 2250' Move to NBU 1	Csg. 9 5/8"@ 2232' 1022-12I. Spot rig and R	MW: 8.3 URT.	SD: 6/XX/06	DSS: 0	
06/08/06	TD: 2250' Finish RURT.	Csg. 9 5/8"@ 2232' NU and test BOPE. PU	MW: 8.3 directional tools, B	SD: 6/XX/06 BHA and DP @ r	DSS: 0 report time	.
06/09/06		Csg. 9 5/8"@ 2232' pipe. Drill cmt and FE. and 13.4° deviation. DA		SD: 6/08/06 10' f/ 2250'-328	DSS: 1 0'. Curre	ntly at
06/12/06	TD: 5280'	Csg. 9 5/8"@ 2232'	MW: 10.5	SD: 6/08/06	DSS: 4	

- Directional drill from 3280'-5280'. DA @ report time. Survey @ 5224' MD/ 5136' TVD, 15.04 deg incl, 198.42 az
- 06/13/06 TD: 5435' Csg. 9 5/8"@ 2232' MW: 10.7 SD: 6/08/06 DSS: 5 Circulate and TFNB and BHA. Directional drill from 5287'-5435'. DA @ report time. Survey @ 5366' MD/ 5273' TVD, 15.39 deg incl, 198.33 az.
- 06/14/06 TD: 5970' Csg. 9 5/8"@ 2232' MW: 10.7 SD: 6/08/06 DSS: 6
 Directional drill from 5435'-5970'. DA @ report time. Survey @ 5876' MD/ 5762' TVD,
 17.24 deg incl, 196.31 az.
- 06/15/06 TD: 6530' Csg. 9 5/8"@ 2232' MW: 10.5 SD: 6/08/06 DSS: 7
 Directional drill from 5970'-6530'. DA @ report time. Survey @ 6386' MD/ 6253' TVD,
 15.74 deg incl, 198.68 az.
- 06/16/06 TD: 6825' Csg. 9 5/8"@ 2232' MW: 10.5 SD: 6/08/06 DSS: 8
 Directional drill from 6530'-6722'. Make wiper trip. Drill to 6825'. DA @ report time.
 Survey @ 6704' MD/ 6560' TVD, 15.12 deg incl, 199.56 az.
- 06/19/06 TD: 7656' Csg. 9 5/8"@ 2232' MW: 11.0 SD: 6/08/06 DSS: 11
 Directional drill from 6722'-7656'. TFNB and MM. Wash and ream tight hole from 6130'6480' @ report time. Survey @ 7594'' MD/ 7415' TVD, 16.62 deg incl, 198.42 az.
- 06/20/06 TD: 7895' Csg. 9 5/8"@ 2232' MW: 12.3 SD: 6/08/06 DSS: 12 Wash and ream tight hole from 6480'-7656'. Drill from 7656'-7895'. DA @ report time. Survey @ 7849' MD/ 7660' TVD, 15.48 deg incl, 195.87 az.
- 06/21/06 TD: 8220' Csg. 9 5/8"@ 2232' MW: 12.3 SD: 6/08/06 DSS: 13
 Drill from 7895'-8220'. DA @ report time. Survey @ 8103' MD/ 7904' TVD, 14.77 deg incl,
 192.53 az.
- 06/22/06 TD: 8635' Csg. 9 5/8"@ 2232' MW: 12.5 SD: 6/08/06 DSS: 14
 Drill from 8220'-8339'. Replace swivel packing. Drill to 8635' TD. CCH @ report time.
 Survey @ 8635' MD/ 8425' TVD, 10.82 deg incl, 192.0 az.
- 06/23/06 TD: 8635' Csg. 9 5/8"@ 2232' MW: 12.5 SD: 6/08/06 DSS: 15 CCH for trip. POOH working tight hole f/ 3604'-4440'. LD directional tools. TIH and W&R f/ 3566'-3576'. TIH to 3750' and W&R f/ 3750'-3790'. Wash and ream @ report time.
- 06/26/06 TD: 8635' Csg. 9 5/8"@ 2232' MW: 12.7 SD: 6/08/06 DSS: 18 W&R f/ 3790'-5460'. Short trip to 3900'. TIH to 5460' then W&R to 6850'. TOOH. Bit balled up. PU new bit and TIH to 6850'. W&R f/ 6850'-7500'. Wash and ream @ report time.
- 06/27/06 TD: 8635' Csg. 9 5/8"@ 2232' MW: 12.6 SD: 6/08/06 DSS: 19 W&R f/ 7500'-8635' TD. CCH @ report time.
- 06/28/06 TD: 8635' Csg. 9 5/8"@ 2232' MW: 12.6 SD: 6/08/06 DSS: 20 CCH. POOH to 3800' and lay down drill string. RU casing crew and run 4 ½" Production Casing @ report time.
- 06/29/06 TD: 8635' Csg. 9 5/8"@ 2232' MW: 12.6 SD: 6/08/06 DSS: 21
 Run and cmt 4.5" prod csg. Set slips, NDBOP, and rls rig 2200 hrs on 6/28/06. Prep to move rig to Bonanza 1023-2F @ report time.

07/20/06

PROG: 7AM (DAY 1) J.S.A.#1

RDMO NBU 922-18M. ROAD RIG TO NBU 1022-12I. MIRU. SPOT EQUIPMENT. NDWH, NUBOP. R/U FLOOR & TBG EQUIPMENT. P/U 3-7/8" MILL & 273 JTS NEW 2-3/8" J-55 TBG. TAG HARD @ 8578'. (PBTD @ 8588') POOH & L/D 30 JTS ON FLOAT. EOT @ 7612

07/21/06

PROG: 6AM (DAY 2) J.S.A.#2

EOT @ 7612'. POOH STANDING BACK TBG. L/D MILL. NDBOP, N/U 2 FRAC VALVES. MIRU DOUBLE JACK TESTERS. P.T. CSG & FRAC VALVES TO 7500#. (HELD GOOD) RDMO DOUBLE JACK.

[STG#1] MIRU CUTTERS. RIH W/ PERF GUNS W/ GAUGE RING @ BTM OF GUNS. (DUMMY PLUG) PERF THE M.V. @ 8243'-8246', 8338'-8341' & 8395'-8399' USING 3-3/8" EXP GUNS, 23 GM, 0.35, 90* PHASING, 4 SPF, (40 HLS) WHP=850#. 2 RUNS FOR CUTTERS. HAD TO REHEAD. POOH & L/D WIRELINE TOOLS. SEEN A SLIGHT TIGHT SPOT @ 100'-300' W/ DUMMY PLUG WHILE RIH-- SEEN NOTHING POOH.RDMO CUTTERS.

2 PM SWI-SDF-WE. PREP TO FRAC W/BJ ON MONDAY 7/24/06.

07/24/06

PROG: 6AM (DAY 3) MIRU BJ & CUTTERS. HELD BJ'S J.S.A.

[STG#1] P.T. SURFACE LINES TO 8005#. WE-SICP=1650#. BRK DN PERFS @ 2718# @ 3 BPM. PMP'D 144 BBLS @ 5100# @ 40 BPM W/ 6 BBLS ACID AHEAD. ISIP=2400, F.G.=.72. PMP'D 1321 BBLS LGHTG 20 GEL, 155,883# 20/40 SAND W/ 1704# FLEX SAND @ TAIL. ISIP=3050, F.G.=.80, NPI=650, MP=4451, MR=40.6, AP=4216, AR=40.5

[STG#2] RIH W/ BAKER 8K CBP & PERF GUNS. SET CBP @ 8061'. PERF THE M.V. @ 7766'-7769', 7821'-7825', 7864'-7867' & 8029'-8031' USING 3-3/8" EXP GUNS, 23 GM, 0.35, 90* PHASING, 4 SPF, (48 HLS) WHP=80#. BRK DN PERFS @ 3113# @ 3 BPM. PMP'D 98 BBLS @ 5700# @ 49 BPM. ISIP=2825, F.G.=.79. PMP'D 2280 BBLS LGHTG 20 GEL, 258,783# 20/40 SAND W/ 3617# FLEX SD @ TAIL. ISIP=4900, F.G.=1.05, NPI=2075, MP=6348, MR=48.1, AP=5577, AR=47.1 BPM. CUT SAND EARLY-- WANTING TO SCREEN OUT. DESIGNED FOR 405K SAND. GOT FLUSHED OK.

[STG#3] RIH W/ BAKER 8K CBP & PERF GUNS. SET CBP @ 7469'. PERF THE M.V. @ 7344'-7348', 7390'-7393' & 7436'-7439' USING 3-3/8" EXP GUNS, 23 GM, 0.35, 90* PHASING, 4 SPF, (40 HLS) WHP=125#. BRK DN PERFS @ 3025# @ 3 BPM. PMP'D 61 BBLS @ 4300# @ 39 BPM. ISIP=2060, F.G.=.70. PMP'D 1281 BBLS LGHTG 18 GEL, 157,472# 20/40 SAND W/ 2567# FLEX SAND @ TAIL. ISIP=2240, F.G.=.73, NPI=180, MP=4371, MR=40, AP=3761, AR=39.4 BPM.

[STG#4] RIH W/ BAKER 8K CBP & PERF GUNS. SET CBP @ 7090'. PERF THE M.V. @ 6982'-6986' & 7049'-7054' USING 3-3/8" EXP GUNS, 23 GM, 0.35, 90* PHASING, 4 SPF, (36 HLS) WHP=130#. BRK DN PERFS @ 3053# @ 3 BPM. PMP'D 50 BBLS @ 4550# @ 35 BPM. ISIP=2550, F.G.=.78. PMP'D 848 BBLS LGHTG 18 GEL, 107,399# 20/40 SAND W/ 1295# FLEX SAND @ TAIL. ISIP=2980, F.G.=.85, NPI=430, MP=4051, MR=35, AP=3700, AR=35 BPM.

[STG#5] RIH W/ BAKER 8K CBP & PERF GUNS. SET CBP @ 6793'. PERF THE M.V. @ 6560'-6562' & 6758'-6763' USING 3-3/8" EXP GUNS, 23 GM, 0.35, 90* PHASING, 4 SPF, (28 HLS) WHP=80#. BRK DN PERFS @ 3227# @ 4 BPM. PMP'D 40 BBLS @ 4200# @ 30 BPM. ISIP=2330, F.G.=.78. PMP'D 670 BBLS LGHTG 18 GEL, 82,393# 20/40 SAND W/ 972# FLEX

SAND @ TAIL. ISIP=3790, F.G.=1.0, NPI=1460, MP=3881, MR=30, AP=3391, AR=30 BPM.

[STG#6] RIH W/ BAKER 8K CBP & PERF GUNS. SET CBP @ 6380'. PERF THE WASATCH @ 6163'-6166', 6288'-6292' & 6320'-6325' USING 3-3/8" EXP GUNS, 23 GM, 0.35, 90* PHASING, 4 SPF, (48 HLS) WHP=0#

07/25/06

PROG: 7AM (DAY 4) HELD BJ'S J.S.A.

[STG#6] CONTINUE ON. P.T. SURFACE LINES TO 7991#. SICP=930#. BRK DN PERFS @ 2590# @ 4 BPM. PMP'D 95 BBLS @ 4200# @ 50 BPM. ISIP=1930, F.G.=.74. PMP'D 2118 BBLS LGHTG 18 GEL, 287,813# 20/40 SAND W/ 4060# FLEX SAND @ TAIL. ISIP=2750, F.G.=.87, NPI=820, MP=4388, MR=50.4, AP=3898, AR=50.2 BPM.

STG#7] RIH W/ BAKER 8K CBP & PERF GUNS. SET CBP @ 6053'. PERF THE WASATCH @ 5810'-5812', 5904'-5908' & 6020'-6023' USING 3-3/8" EXP GUNS, 23 GM, 0.35, 90* PHASING, 4 SPF, (36 HLS) WHP=130#. BRK DN PERFS @ 2574# @ 4 BPM. PMP'D 62 BBLS @ 3800# @ 354 BPM. ISIP=1900, F.G.=.75. PMP'D 565 BBLS LGHTG 18 GEL, 70,911# 20/40 SAND W/ 1523# FLEX SAND @ TAIL. RAMP TO 6 PPG. ISIP=3100, F.G.=.95, NPI=1200, MP=3906, MR=35.5, AP=3457, AR=35.4 BPM.

[STG#8] RIH W/ BAKER 8K CBP & PERF GUNS. SET CBP @ 4854'. PERF THE WASATCH @ 4819'-4824' USING 3-1/8" H.S.C. GUNS, 12 GM, 0.34, 90* PHASING, 4 SPF, (20 HLS) WHP=207#. BRK DN PERFS @ 2755# @ 3 BPM. PMP'D 31 BBLS @ 2400# @ 25 BPM. ISIP=1080, F.G.=.65. PMP'D 492 BBLS LGHTG 18 GEL, 66,509# 20/40 SAND W/ 3612# FLEX SAND @ TAIL. RAMP TO 6 PPG. ISIP=2025, F.G.=.85, NPI=945, MP=2274, MR=25.3, AP=2078, AR=25.2 BPM.

[KILL PLUG] RIH W/ BAKER 8K CBP & SET @ 4580'. POOH & L/D WIRELINE TOOLS. RDMO BJ & CUTTERS. GRAND TOTAL 20/40 & FLEX SAND=1,187,163#, TOTAL FLEX SAND=19,350# & TOTAL FLUID=9575 BBLS. N/D FRAC VALVES. NUBOP. R/U FLOOR & TBG EQUIPMENT. P/U 3-7/8" BIT, POBS W/R NIPPLE & RIH OUT OF DERRICK ON 2-3/8" J-55 TBG. TAG CBP#1 @ 4580'. R/U SWVL & PUMP.

07/26/06

PROG: 7AM (DAY 5) J.S.A.#5. EOT @ 4580'. ESTABLISH CIRCULATION W/ 2% KCL WATER.

[DRLG CBP#1] @ 4580'. DRILL OUT BAKER 8K CBP IN 5 MIN. 25# DIFF. RIH, TAG SD @ 4824'. C/O 30' SD.

[DRLG CBP#2] @ 4854'. DRILL OUT BAKER 8K CBP IN 6 MIN. 25# DIFF. RIH, TAG SD @ 5900'. C/O 153' SD.

[DRLG CBP#3] @ 6053'. DRILL OUT BAKER 8K CBP IN 6 MIN. 125# DIFF. RIH, TAG SD @ 6320'. C/O 60' SD.

[DRLG CBP#4] @ 6380'. DRILL OUT BAKER 8K CBP IN 6 MIN. 50# DIFF. RIH, TAG SD @ 6763'. C/O 30' SD.

[DRLG CBP#5] @ 6793'. DRILLOUT BAKER 8K CBP IN 6 MIN. 50# DIFF. RIH, TAG SD @ 7060'. C/O 30' SD.

[DRLG CBP#6] @ 7090'. DRILL OUT BAKER 8K CBP IN 6 MIN. 50# DIFF. RIH, TAG SD @ 7419'. C/O 50' SD.

[DRLG CBP#7] @ 7469'. DRILL OUT BAKER 8K CBP IN 6 MIN. 100# DIFF. RIH, TAG SD

@ 7871'. C/O 190' SD.

[DRLG CBP#8] @ 8061'. DRILL OUT BAKER 8K CBP IN 6 MIN. 150# DIFF. RIH, TAG SD @ 8468'. C/O 120' OF SD TO PBTD @ 8588'. CIRCULATE WELL CLEAN. R/D SWVL. POOH & L/D 44 JTS ON FLOAT. LAND TBG ON HANGER W/ 229 JTS NEW 2-3/8" J-55 TBG. EOT @ 7220.86' & POBS W/ R NIPPLE @ 7218.66'. AVG 6 MIN/PLUG & C/O 543' SD. R/D FLOOR & TBG EQUIPMENT. NDBOP, NUWH. DROP BALL DOWN TBG & PUMP OFF THE BIT @ 1200#. OPEN WELL TO PIT ON 20/64 CHOKE. FTP=1350#, SICP=1400#. 3 PM TURN WELL OVER TO F.B.C. LTR @ 3 PM =8395 BBLS. RACK EQUIPMENT. R/D RIG. 4 PM SDFN

NOTE: 277 JTS 2-3/8" J-55 OUTBOUND TBG. 229 JTS LANDED IN WELL

WELL ON FLOWBACK, FLOWBACK REPORT: CP: 2000#, TP: 1700#, 20/64 CHK, 25 BWPH, 17 HRS, SD: TRACE, TTL BBLS FLWD: 425 BBLS, TODAYS LTR: 8395 BBLS, LOAD REC TODAY: 425 BBLS, REMAINING LTR: 7970 BBLS, TOTAL LOAD REC TO DATE: 425 BBLS.

- 07/27/06

 PROG: WELL ON FLOWBACK, FLOWBACK REPORT: CP: 2200#, TP: 1700#, 20/64 CHK, 25 BWPH, 24 HRS, SD: TRACE, TTL BBLS FLWD: 600 BBLS, TODAYS LTR: 7970 BBLS, LOAD REC TODAY: 600 BBLS, REMAINING LTR: 7370 BBLS, TOTAL LOAD REC TO DATE: 1025 BBLS.
- 07/29/06 PROG: WELL ON FLOWBACK, FLOWBACK REPORT: CP: 2200#, TP: 1700#, 20/64 CHK, 15 BWPH, 24 HRS, SD: TRACE, TTL BBLS FLWD: 444 BBLS, TODAYS LTR: 7370 BBLS, LOAD REC TODAY: 444 BBLS, REMAINING LTR: 6926 BBLS, TOTAL LOAD REC TO DATE: 1469 BBLS.
- 07/30/06

 PROG: WELL ON FLOWBACK, FLOWBACK REPORT: CP: 2150#, TP: 1550 #, 20/64 CHK, 10 BWPH, 24 HRS, SD: CLEAN, TTL BBLS FLWD: 310 BBLS, TODAYS LTR: 6926 BBLS, LOAD REC TODAY: 310 BBLS, REMAINING LTR: 6616 BBLS, TOTAL LOAD REC TO DATE: 1779 BBLS.
- **07/31/06** PROG: WELL WENT ON SALES: 07/27/06, 10:00 A.M. 1.5 MILLION MCF, 20/64 CHK, SICP: 2340 #. FTP: 1750 #, 25 BWPH.

ON SALES

07/27/06: 792 MCF, 0 BC, 325 BW, TP: 1800#, CP: 2300#, 20/64 CHK, 13 HRS, LP: 85#. 07/28/06: 1085 MCF, 0 BC, 360 BW, TP: 1700#, CP: 2200#, 20/64 CHK, 20 HRS, LP: 90#. 07/29/06: 1951 MCF, 0 BC, 300 BW, TP: 1550#, CP: 2150#, 20/64 CHK, 24 HRS, LP: 94#.

- **ON SALES** 07/30/06: 1790 MCF, 0 BC, 265 BW, TP: 1641#, CP: 2141#, 20/64 CHK, 24 HRS, LP: 96#.
- **ON SALES** 07/31/06: 1618 MCF, 0 BC, 315 BW, TP: 1591#, CP: 2148#, 20/64 CHK, 24 HRS, LP: 90#.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

		(hi	ghlig	ht d	char	POR				ORM 8	
		5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-01197-AST									
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME									
	_	7. UNIT of CA AGREEMENT NAME UNIT #891008900A									
		8. WELL NAME and NUMBER:									
_			DI NI			2-12	:1				
		4	430	47	36						
4						DL, OR					
		11.	QTR/0	QTR DIAN	, SEC	CTION,	TOW	NSF	IIP, RANG	GE,	
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WELI	COM	PLET	ION (OR F	RECO	MPL	ETIC	N RE	POR	T AND	LOG		6. IF	INDIAN, A	LLOTTEE	OR TRI	BE NAME	
1a. TYPE OF WELL:		OIL	LL 🗆	(GAS Z	7	DRY		ОТН	R					891008		_	
b. TYPE OF WORK: NEW VELL IN HORIZ. DEEP- RE- DIFF. OTHER NBU 1022-12																		
NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP 9. API NUMBER: 4304736402											•							
	3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078 PHONE NUMBER: (435) 781-7024 NATURAL BUTTES																	
4. LOCATION OF W			-										11. (OTR/QTR,	SECTION,	TOWN	SHIP, RANG	SE,
AT SURFACE:														SE			22E	
AT TOP PRODUC	ING INTERV	'AL REPOR	TED BEL	OW:									10.	201111111111111111111111111111111111111		- 1	I3. STATE	
AT TOTAL DEPTI					,			FS	L 14	88 1	FWL		U	INTAL	-	\perp		UTAH
4/7/2006		6/27/2	006			7/2006	3		BANDON		READY TO PE		M	52	ATIONS (DI 28'GL		, R1, GL).	
18. TOTAL DEPTH:	0,0	35 125	1	9. PLUG	BACK T.D	.: MD TVD	8,588 ``ठे''३		20. IF N	ULTIPLE CO	OMPLETIONS,	HOW MA	NY? *		H BRIDGE IG SET:	MD)	
22. TYPE ELECTRIC			CAL LOG	S RUN (Submit cop	y of each		· <u></u>		23.								
CBL-CCL-G	R										L CORED?		NO	_			mit analysis)
										WAS DST DIRECTIO	RUN? NAL SURVEY?		NO NO		ES	•	mit report) mit copy)	
24. CASING AND LI	NER RECOR	D (Report a	II strings	set in w	ell)													
HOLE SIZE	SIZE/GRA	ADE '	WEIGHT	(#/ft.)	TOP (MD)	вотто	M (MD)		EMENTER PTH	CEMENT TYI NO. OF SAC		SLUF OLUMI		CEMENT .	TOP **	AMOUN	T PULLED
20"	14"	STL	36.7	'#			4	0			28							
12 1/4"	9 5/8 F	1-40	32.3	3#			2,2	250			725							
7 7/8"	4 1/2	I-80	11.6	#			8,6	635			1936							
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25. TUBING RECOR			T					D50511	OFT (140)	DA OVE	D OFT (MD)		SIZE		PTH SET (MDV	DACKED	SET (MD)
2 3/8"	7.2		PACKE	R SET (VID)	SIZE	•	DEPTH	SET (MD)	PACKE	R SET (MD)		IZ.C	+	FINSEI	WIO)	FACKLIN	GET (IVID)
26. PRODUCING INT		221	<u> </u>			_				27. PERFO	RATION RECO	RD						
FORMATION		TOP (MD)	вотто	M (MD)	TOP	(TVD)	вотто	vi (TVD)	INTERVA	L (Top/Bot - MI	D) 5	SIZE	NO. HOLE	S P	ERFO	RATION ST	ATUS
(A) WASATCI	H	4,8	19	6,3	325					4,819	6,3	25 C).35	104	Open	Z	Squeezed	
(B) MESVAR			60	8,	399					6,560	8,3	99 0	.35	192	Open	<u>/</u>	Squeezed	
(C)															Open		Squeezed	
(D)															Open		Squeezed	
28. ACID, FRACTUR	RE, TREATME	ENT, CEME	NT SQUE	EZE, ET	C.													
DEPTHI	NTERVAL		_						AM	DUNT AND T	YPE OF MATE	RIAL						
4819'-6325'	-		PMP	3175	BBLS	LIGH	ITNIN	G 18 8	425,2	233# 20/	40 MESH	1 SD						
6560'-8399'			PMP	6400	BBLS	LIGH	ITNIN	G 18,	20 & 7	61,930#	20/40 M	ESH :	SD					
29. ENCLOSED ATT	ACHMENTS	:													3	0. WEL	L STATUS	;
	RICAL/MECH			CEMENT	VERIFICA	ATION		GEOLOGI CORE AN			DST REPORT			TIONAL SU	JRVEY		PRO	D

(CONTINUED ON BACK)

(5/2000)

RECEIVED

AUG 3 1 2006

INTERVAL A (As shown in item #26) 31. INITIAL PRODUCTION WATER - BBL: PROD. METHOD: GAS - MCF HOURS TESTED: TEST PRODUCTION OIL - BBL DATE FIRST PRODUCED: TEST DATE: RATES: 3,045 290 **FLOWING** 8/13/2006 24 7/27/2006 INTERVAL STATUS: OIL - BBL WATER - BBL: CHOKE SIZE: TBG. PRESS. CSG. PRESS. API GRAVITY BTU - GAS GAS/OIL RATIO 24 HR PRODUCTION GAS -- MCF: RATES: **PROD** 3,045 290 22/64 1,442 1,794 O INTERVAL B (As shown in Item #26) DATE FIRST PRODUCED: OIL - BBL: GAS - MCF: WATER - BBL: PROD. METHOD: TEST DATE: HOURS TESTED TEST PRODUCTION RATES: **FLOWING** 8/13/2006 3,045 290 7/27/2006 GAS/OIL RATIO 24 HR PRODUCTION OIL -BBL GAS - MCF: WATER - BBL: INTERVAL STATUS: API GRAVITY BTU - GAS CHOKE SIZE: TBG. PRESS CSG PRESS RATES: → 1,794 **PROD** 1,442 0 3,045 290 22/64 INTERVAL C (As shown in item #26) PROD. METHOD: DATE FIRST PRODUCED: TEST DATE: HOURS TESTED: TEST PRODUCTION OIL - BBL: GAS - MCF WATER - BBL: RATES: -24 HR PRODUCTION OIL - BBL: GAS - MCF: WATER - BBL: INTERVAL STATUS: CHOKE SIZE: TBG. PRESS. CSG. PRESS. API GRAVITY BTU - GAS GAS/OIL RATIO RATES: INTERVAL D (As shown in Item #26) WATER - BBL: PROD. METHOD: HOURS TESTED: TEST PRODUCTION OIL - BBL: GAS - MCF: DATE FIRST PRODUCED: TEST DATE: RATES: GAS - MCF: INTERVAL STATUS: CHOKE SIZE: API GRAVITY BTU - GAS GAS/OIL RATIO 24 HR PRODUCTION OIL - BBL: WATER - BBL: RATES: 32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.) SOLD 34. FORMATION (Log) MARKERS: 33. SUMMARY OF POROUS ZONES (Include Aquifers): Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries. Top (Measured Depth) Bottom Name Formation Descriptions, Contents, etc. (MD) WASATCH 4,120 6,530 6,530 **MESAVERDE**

35. ADDITIONAL REMARKS (Include plugging procedure)

out the day detay and the long and a the short he complete and a south		
NAME (PLEASE PRINT) 8H EILA UPCHEGO	TITLE REGULATORY ANALYST	_
SIGNATURE ////////////////////////////////////	DATE 8/17/2006	_

This report must be submitted within 30 days of

- · completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests
- * ITEM 20: Show the number of completions if production is measured separately from two or more formations.

38. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

.

Fax: 801-359-3940

Sundry Number: 20035 API Well Number: 43047364020000

	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES		FORM 9			
	G	5.LEASE DESIGNATION AND SERIAL NUMBER: STUO-01197-AST				
SUNDF	RY NOTICES AND REPORTS O	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
Do not use this form for proposition bottom-hole depth, reenter plu DRILL form for such proposals.		7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES				
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 1022-12I			
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONS	HORE, L.P.		9. API NUMBER: 43047364020000			
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th S	PHONE I treet, Suite 600, Denver, CO, 80217 3779	NUMBER: 720 929-6515 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2297 FSL 1046 FEL			COUNTY: UINTAH			
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NESE Section: 12	IP, RANGE, MERIDIAN: Township: 10.0S Range: 22.0E Meridian: S		STATE: UTAH			
11. CHE	CK APPROPRIATE BOXES TO INDICATE N	NATURE OF NOTICE, REPORT,	OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION				
_	☐ ACIDIZE ☐	ALTER CASING	☐ CASING REPAIR			
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	☐ CHANGE WELL NAME			
11/3/2011	☐ CHANGE WELL STATUS ☐	COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE			
SUBSEQUENT REPORT	☐ DEEPEN ☐	FRACTURE TREAT	☐ NEW CONSTRUCTION			
Date of Work Completion:	☐ OPERATOR CHANGE ☐	PLUG AND ABANDON	☐ PLUG BACK			
	☐ PRODUCTION START OR RESUME ☐	RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION			
SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION ☐	SIDETRACK TO REPAIR WELL	✓ TEMPORARY ABANDON			
	☐ TUBING REPAIR ☐	VENT OR FLARE	☐ WATER DISPOSAL			
DRILLING REPORT Report Date:	☐ WATER SHUTOFF ☐	SI TA STATUS EXTENSION	☐ APD EXTENSION			
Report Date:	☐ WILDCAT WELL DETERMINATION ☐	OTHER	OTHER:			
The operator request location. The ope 1022-12I Pad, which	the authorization to temporariy trator proposes to TA the subject consists of the following wells: 1022-12I4BS, NBU 1022-12J1B	abandon the subject we well to drill the NBU NBU 1022-12I1BS, NBU S, & NBU 1022-12J1CS.	Approved by the Utah Division of Oil, Gas and Mining			
NAME (PLEASE PRINT) Gina Becker	PHONE NUMBER	TITLE Regulatory Analyst II				
SIGNATURE	720 929-6086	Regulatory Analyst II DATE				
N/A		11/3/2011				

Sundry Number: 20035 API Well Number: 43047364020000

Well Name: NBU 1022-121 11/1/2011

Surface Location: NESE Sec. 12, T10S, R22E

Uintah County, UT

API: 4304736402 **LEASE#:** U-01197-A-ST

ELEVATIONS: 5228' GL 5243' KB

TOTAL DEPTH: 8635' **PBTD:** 8588'

SURFACE CASING: 9 5/8", 32.3# H-40 @ 2250'

PRODUCTION CASING: 4 1/2", 11.6# I-80 @ 8635'

TOC @ ~Surface per CBL

PERFORATIONS: WASATCH 4819' - 6325'

MESAVERDE 6560' - 8399'

Tubular/Borehole	Drift	Collapse	Burst	Capacities				
	inches	psi	Psi	Gal./ft.	Cuft/ft.	Bbl./ft.		
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1626	0.02171	0.00387		
4.5" 11.6# N/M/I-80 csg	3.875	6350	7780	0.6528	0.0872	0.0155		
9.625" 32.3# H-40 csg	8.845	1400	2270	3.3055	0.4418	0.0787		
Annular Capacities								
2.375" tbg. X 4.5" 11.6# csg.				0.4226	0.0565	0.01		
4.5" csg. X 9.625" 32.3# csg.				2.478	0.3314	0.059		
4.5" csg. X 7.875" hole	1.7052	0.2278	0.0406					
9.625" csg. X 12.25" hole				2.3436	0.3132	0.0558		

GEOLOGICAL TOPS:

4120' Wasatch 6530' Mesaverde

Tech. Pub. #92 Base of USDW's

USDW Elevation ~1300' MSL USDW Depth ~3943' KBE

Recommended future action for disposition of well bore:

Temporarily abandon the wellbore during the drilling and completion operations of the **NBU 1022-12I** pad wells. Return to production as soon as possible once completions are done.

Sundry Number: 20035 API Well Number: 43047364020000

NBU 1022-12I TEMPORARY ABANDONMENT PROCEDURE

GENERAL

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDE. PREMIX 5 GALLONS PER 100 BBLS FLUID.
- NOTIFY UDOGM 24 HOURS BEFORE MOVING ON LOCATION.

PROCEDURE

Note: An estimated 24 sx Class "G" cement needed for procedure

- 1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
- 2. RU WIRELINE. ENSURE WELLBORE IS CLEAN. A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.
- 3. PLUG #1, ISOLATE WAS/MV PERFORATIONS (4819' 8399'): RIH W/ 4 ½" CBP. SET @ ~4770'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF 8 SX/ 1.6 BBL/ 8.7 CUFT. ON TOP OF PLUG. PUH ABOVE TOC (~4670'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
- 4. PLUG #2, PROTECT TOP OF WASATCH (4120'): PUH TO ~4220'. BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF 16 SX / 3.3 BBL / 18.3 CUFT AND BALANCE PLUG W/ TOC @ ~4010' (210' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.
- 5. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER UDOGM GUIDELINES.
- 6. RDMO. TURN OVER TO DRILLING OPERATIONS.

ALM 11/1/2011

Sundry Number: 34502 API Well Number: 43047364020000

	STATE OF UTAH		FORM 9			
ı	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: STUO-01197-AST			
SUNDR	RY NOTICES AND REPORTS (ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
Do not use this form for procurrent bottom-hole depth, FOR PERMIT TO DRILL form	deepen existing wells below Ital laterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES				
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 1022-12I			
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	NSHORE, L.P.		9. API NUMBER: 43047364020000			
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18tl	h Street, Suite 600, Denver, CO, 80217	PHONE NUMBER: 3779 720 929-6	9. FIELD and POOL or WILDCAT: 5NATERAL BUTTES			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2297 FSL 1046 FEL			COUNTY: UINTAH			
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 2 Township: 10.0S Range: 22.0E Meridia	an: S	STATE: UTAH			
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION				
	ACIDIZE	ALTER CASING	CASING REPAIR			
NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME			
Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE			
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION			
1/25/2013	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK			
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION			
SPUD REPORT Date of Spud:	_					
	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	▼ TEMPORARY ABANDON			
DRILLING REPORT	L TUBING REPAIR	VENT OR FLARE	☐ WATER DISPOSAL			
Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION			
	WILDCAT WELL DETERMINATION	OTHER	OTHER:			
The operator has co the subject well I order to expand an	completed operations. Clearly show a concluded the temporary abar ocation on 01/25/2013. This addrill the NBU 1022-12I Pad conclogical well history for details.	donment operations on well was plugged in wells. Please see the				
NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBE 720 929-6304	Regulartory Analyst				
SIGNATURE		DATE				
N/A		2/6/2013				

Sundry Number: 34502 API Well Number: 43047364020000

				U	S ROC	KIES R	EGION				
	Operation Summary Report										
Well: NBU 1022-	Vell: NBU 1022-12I Spud Date: 6/8/2006										
Project: UTAH-U	INTAH		Site: NBL	J 1022-12	I PAD			Rig Name No: MILES-GRAY 1/1			
Event: ABANDO	NMENT		Start Date	e: 1/24/20	13			End Date: 1/25/2013			
Active Datum: Rh Level)	KB @5,240.99usft (al	oove Mean Se	a	UWI: NE	3U 1022-	121					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation			
1/24/2013	7:00 - 7:30	0.50	ABANDT	48		Р		HSM, REVIEW SCANNING TBG & SET CBP.			
	7:30 - 9:30	2.00	ABANDT	47	Α	Р		FCP.103 PSI. FTP. 98 PSI. BLEW TBG DWN, CONTROL TBG W/ 20 BBLS, ND WH BOLTS RUSTY, NU BOP'S, RU FLOOR & TBG EQUIPMENT, TEST BOP'S TO 3000 PSI, HELD.			
	9:30 - 13:00	3.50	ABANDT	45	Α	Р		UNLAND TBG HANGER, RU SCAN TECH, POOH & SCAN 228 JTS. 2-3/8 J-55 TBG, LD 93 JTS. DUE TO WALL LOSS & EXTERNAL SCALE, FOUND HOLES IN JNT # 211, 219, 220, & 224, JNT # 228 WAS PLUGGED, FOUND BUMPER STRING & PLUNGER STUCK IN XN, RD SCAN TECH.			
	13:00 - 14:30	1.50	ABANDT	34	I	Р		RU CUTTERS WIRELINE SERV, RIH W/ 3.625 GAUE RING TO 4800', POOH TOOLS, RIH HALLIBURTON 4-1/2 8K CBP & SET @ 4776', POOH TOOLS, RD CUTTERS WIRELINE SERV.			
	14:30 - 16:00	1.50	ABANDT	31	I	Р		FILL CSG W/ 40 BBLS, PRESSURE TEST 4-1/2 CSG TO 500 PSI. FOR 15 MINS, HELD, TALLY & RIH 134 JTS. F/ DERRICK, PU 19 JTS. F/ TRAILER, TAG CBP @ 4776, PU TBG 10', EOT @ 4766' W/ 153 JTS. SWI, DRAIN PUMP & LINES, SDFN.			
1/25/2013	7:00 - 7:30	0.50	ABANDT	48		Р		HSM, REVIEW CEMENT PLUG, LD TBG ON TRAILER			
	7:30 - 16:00	8.50	ABANDT	51	С			CIRC HOLE CLEAN, RU PRO PETRO, TBG @ 4766' PLUG # 1 PUMP 2.6 BBLS WTR, 2.0 BBL CLASS "G" CMT, 15.8 LBS/ GAL, YIELD 1.145 CUFT/SX, 1 BBL SPACER, DISPLACE W/ 16.8 BBLS, POOH & LD 18 JTS. ON TRAILER TBG @ 4220' PLUG # 2 PUMP 2.6 BBL WTR, 4.1 BBLS CLASS "G" CMT, YIELD 1.145 CUFT/SX, 15.8 LBS/ GAL, 1 BBL SPACER, DISPLACE W/ 14.1 BBLS, RD PRO PETRO, POOH & LD 134 JTS. 2-3/8 J-55 YELLOW BAND TBG ON TRAILER, DUG OUT CSG WELL HEAD, LOWER TO GROUND LEVEL TO ACCOMMODATE DRILLINGS, RDMO. MOVE TO NBU 1022-12P.			
								LAT: 39.962483 LONG: -109.382589			

2/5/2013 8:11:17AM 1

Sundry Number: 48193 API Well Number: 43047364020000

	STATE OF UTAH		FORM 9			
ı	DEPARTMENT OF NATURAL RESOUF DIVISION OF OIL, GAS, AND M		5.LEASE DESIGNATION AND SERIAL NUMBER: STUO-01197-AST			
SUNDR	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
	ly deepen existing wells below zontal laterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES				
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 1022-12I			
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	ISHORE, L.P.		9. API NUMBER: 43047364020000			
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th	h Street, Suite 600, Denver, CO, 802	PHONE NUMBER: 17 3779 720 929-	9. FIELD and POOL or WILDCAT: 6 INATERAL BUTTES			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2297 FSL 1046 FEL			COUNTY: UINTAH			
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 2 Township: 10.0S Range: 22.0E Mer	idian: S	STATE: UTAH			
11. CHECI	K APPROPRIATE BOXES TO INDIC.	ATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION				
	ACIDIZE	ALTER CASING	CASING REPAIR			
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME			
Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE			
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION			
8/22/2013	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK			
 	✓ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION			
SPUD REPORT Date of Spud:			TEMPORARY ABANDON			
	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL				
DRILLING REPORT	L TUBING REPAIR	☐ VENT OR FLARE	WATER DISPOSAL			
Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION			
	WILDCAT WELL DETERMINATION	OTHER	OTHER:			
The subject well wanted NBU 1022-121 Pad. plugs and returned	completed operations. Clearly shows as temporarily abandoned On 8/22/2013 well work hed the well to production of attached daily summar	to drill and complete the lad completed drilling out n 9/5/2013. Please see by.	Accepted by the			
NAME (PLEASE PRINT) Teena Paulo	PHONE NUN 720 929-6236	MBER TITLE Staff Regulatory Specialist				
SIGNATURE N/A		DATE 2/27/2014				

RECEIVED: Feb. 27, 2014

						KIES RE	EGION Iry Report				
Well: NBU 1022	/ell: NBU 1022-12I Spud Date: 6/8/2006										
Project: UTAH-U	JINTAH		Site: NBL	J 1022-12	PAD			Rig Name No: GWS 1/1			
Event: ABANDO	NMENT		Start Date	e: 7/31/20)13			End Date: 8/22/2013			
Active Datum: R Level)	KB @5,240.99usft	(above Mean S	ea	UWI: NI	BU 1022-	·12I					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation			
7/31/2013	7:00 -							REBUILD PROD FACILITIES TO RETURN WELL TO PRODUCTION			
8/21/2013	7:00 - 7:15 7:15 - 8:00	0.25	ABANDT	48		Р		JSA-SAFETY MEETING			
	7:15 - 8:00 8:00 - 10:00	0.75 2.00	ABANDT ABANDT	30 31	A I	P P		MIRU, N/D WH, N/U BOPS, P/U 3 7/8" BIT AND POBS, RIH W/ 2 3/8" J-55 TBG, TAG CEMENT TOP @ 3931',			
	10:00 - 17:30	7.50	ABANDT	44	Α	Р		R/U SWIVEL, ESTB CIRC W/ RIG PUMP, DRILL OUT CEMENT FROM 3931' TO 4220', FELL FREE, CIRC WELL CLEAN RIH TAG CEMENT 4619', DRILL OUT CEMENT TO 4679', CIRC WELL CLEAN, P/U 30' SHUT WELL IN SDFN			
8/22/2013	6:45 - 7:00	0.25	ABANDT	48		Р		HSM. FOAM UNIT, HIGH PSI LINES.			
	7:00 - 17:30	10.50	ABANDT	44	A	P		OPEN WELL 0 PSI. BRK REV CIRC. DRL OUT REMAINING CMT F/ 4679' T/ 4766' TAG CBP @ 4766'. RU GROASS FOAM UNIT. BRK CONV CIRC. UNLOAD HOLE. DRL OUT CBP. 8 MIN. LOST 100 PSI ON FU PSI. CONT RIH TAG FILL @ 8401'. CONV CIRC W/ FU. CO T/ 8570'. CIRC WELL CLEAN. SHUT DOWN FU. POOH W/ TBG LD 55 JTS. LAND TBG W/ KB ===========> 19.00 4 1/16 HNGR ====> .83 229 JTS J-55 ====> 7112.55 1.875 XN-NIP ====> 2.20 EOT @ 7130.58 ND BOP. NU WH. DROP BALL, BUMP BIT OFF W/ 30 BBLS T-MAC. SWI FOR PSI BUILD UP. TBG VAC SICP = 300 PSI.			

2/25/2014 2:13:27PM 1